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THE CHEMIST AND DRUGGIST

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TELEGRAPHIC ADDRESS "CHEMICUS LONDON."

Established in [AUSTRALASIA, 1885.

No. 1,525. Vol LXXIV. APRIL 17, 1909

Subscription, 10s. per annum, including Diary. Free the World over. Single Copies, 4d. each. Winter and Summer Issues, 1s. each. Post Free.

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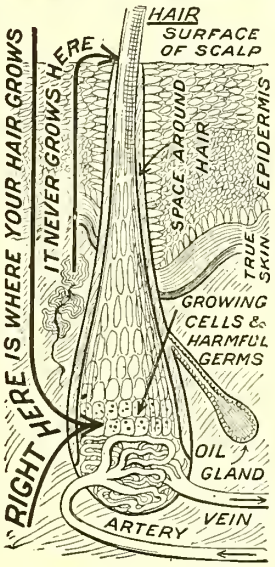

Look at this Diagram of a growing hair greatly magnified, showing how its grows entirely from its root, and that the root is nourished entirely by the blood. See the harmful germs in the root. When the blood is deranged these germs lodge there, multiply, use up the nourishment, soften the root, rob the hair of its colour, stop it growing and make it fall out. When CAPSULOIDS are taken they are dissolved in the stomach and pass into the blood. They supply the wonderful life-giving influence to the red corpuscles which destroy the germs, nourish the roots and cause healthy, vigorous growth of the hair, and CAPSULOIDS is the only remedy that will do this.

Price to the Public, **2/3** per box.

Price to Trade—For quantities of not less than 3 gross, 22/- per doz.; 1 gross, 22/6 per doz.; 4 dozen, 23/- per doz.

The above will be subject to a discount of 6*d*. per dozen if payment is made on or before the 10th of the month following month of purchase, and a **further discount of 3d. per dozen ONLY IF CASH ACCOMPANIES THE ORDER. For less than 4 dozen, 23/6 per dozen, net cash with order.**

For Export, Capsuloids are specially packed in Glass Tubes.

Material for very Attractive Window Display supplied on application to

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ON THE P.A.T.A. LIST.

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(Formerly known as "CICFA")

CURES

INDIGESTION

with CONSTIPATION, FLATULENCE AND ACIDITY.

PRICE TO THE PUBLIC, **1/1½** and **2/9** per bottle.
Neatly Packed in Glass Tubes.
LARGE SIZE CONTAINS 3 TIMES AS MANY AS SMALL SIZE.

PRICE TO TRADE,

For quantities of	£10	and upwards,	for the small size	... ...	10/9
,,	£10	,,	,, large ,,	... ...	27/-
,,	£5	,,	,, small ,,	... ...	11/-
,,	£5	,,	,, large ,,	... ...	28/-

Subject to 2½ per cent. discount. CASH WITH ORDER.

For smaller quantities—small size, **11/3** per dozen, net cash with order.
,, ,, ,, large size, **29/6** ,, ,, ,, ,,

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SENDING BUSINESS TO THE CHEMIST

This reduced facsimile of a whole page advertisement in The Daily Mail shows how we help Chemists.

10 THE DAILY MAIL, TUESDAY, APRIL 13, 1909.

Now is the Turning Time in Your Health for a Whole Year

Study this Object Lesson from Nature's Universal Book of Health.

Try this FREE Spring-Time Plan of Health-Development, and Learn How to Enjoy Good Health for 365 Days.

The Buds and Blossoms are Nature's Promise of Health to the Sick and Suffering.

Now is the Time to Shake off the Shackles of Ill-Health.

Now is the Time to Renew Health and Strength.

Send for this Free Spring-Time Plan of Health Development.

A WONDERFUL revelation of the increased activity of the human vital force at this time of the year may be obtained by any reader who will try the following very simple Spring-Time Plan of Health-Development.

The Spring of the Year is the Spring-Time of Health. With the Spring Nature grants a new lease of life to every living thing.

What delights us in the Spring is not so much the appearance of the buds and blossoms we see all around us as the sensation of the rising tide of life and health within us.

HUMAN SPRING CLEANING
We want a spring renovation every whit as much as our drawing rooms. The first uncompromising April sunshine is by no means becoming to individuals who have rocketed through the winter, endured the rigours of March, and are now exhibiting the pleasing after-effects.—*Sketch*

AS the wisest man that ever lived truly said —

There is a tide in the affairs of men
Which, taken at the flood, leads on to fortune;
Omitted, all the voyage of their life
Is bound in shallows, and in miseries.
—SHAKESPEARE

This might be altered to read without altering the truth at all) —

There is a time in the affairs of men
Which, taken at the Spring leads on to Health;
Omitted, all the voyage of their life
Is bound in Ill-Health and in miseries.

It is just now that a little wise "farming" of the functions of life—a little sowing of the seeds of Health—will be rewarded with the grand Harvest of 365 Days of Good Health

At no time in the year is the all-pervading Vital Force so strong to preserve—and restore—the life and health of the individual Just a little friendly help—a little knowing what to do, and a little of doing it, too—will so swell the rising tide of health within us as to sweep the seeds of ill-health out of the system

This friendly

SPRING-TIME HEALTH HELP IS FREE TO EVERY READER of "THE DAILY MAIL"

who would like to know and try a simple plan of aiding the present Spring tide of his or her health so as to secure the best of health until the next Spring time

—*Give me health and A DAY, and I will make the pomp of Emperors ridiculous*—

was the prayer of that wise man, Emerson

Health for 365 DAYS is the far richer reward if you will only help the present rising tide of health vitality within your body

Have you noticed the evidences in your body of the quickening of the life force that takes place at this time of year! With those whose blood is impure the evidences are seen in different forms of skin troubles, such as rashes, pimples, boils, etc

With others whose blood is affected in another way there are more than ordinarily severe rheumatic, gouty, neuralgic, and other pains

It is a mistake to regard these symptoms as being other than symptoms of an internal condition of affairs calling for alteration How ridiculously foolish to apply external salves for the soothing of a pain proceeding from an internal cause. We should treat the cause of the disease, not the result of the disease To do so is just as foolish as to merely cut off weeds level with the ground as they spring forth, instead of taking up root and all

The blood is the only health fertilising agent, and the following plan provides all that is necessary to assist the vital force in bringing your blood into a more healthful condition.

HERE IS WHAT YOU WILL RECEIVE.

Here is what will be sent to every reader applying for the package, and for which there is nothing to pay beyond 3d stamps for postage:

(1) A letter containing full particulars of a Spring-Time Plan of Health Development, telling just what to do to aid your vital force—just what to do to uproot from your system all the seeds of ill-health—just what to do to plant, instead, the seeds of good health, the seeds that will grow, and go on growing, better health until next Spring-time.

Every reader who fails to send for this information loses the chance of learning how best to furnish aid to the health-force now at work within his system

(2) A newly-published TREATISE entitled "The Territorial Army of the Blood" (which explains the wonders of the life-stream), and how it may be strengthened to re-enfuse the whole system with new health and energy.

(3) A FREE BOTTLE of that splendid toning-up medicine, Guy's Tonic. There is no better medicine wherewith to aid the vital force It is easily absorbed into the blood circulation, which it purifies and enriches in a most remarkable manner.

In a few days the change for the better will be most marked It acts equally well in both the too nervously active, and the too nervously depressed, conditions that create ill-health It does not act as a mere stimulant in depressed conditions, but simply frees the vital functions so that they do their work easily and efficiently

In the case of the non-phlegmatic, too nervous individual it first neutralises, and then removes, the exciting irritant poisons which make for nervous super-sensitiveness. Freed from irritants, the delicate nerve-tissues recover their substance and shape, elasticity and insulated immunity from the wear-and-tear work of the body that is always going on

It was not without good cause that so admittedly straight-spoken a man as Father Ignatius, one of England's best-loved men, wrote as follows —

"Guy's Tonic has been very much blessed to the Brother for whom it was ordered, and who was suffering from almost entire inability to eat, flatulence, and sickness"

These symptoms, by-the-bye, are very common at this time of the year, but they are merely the symptoms of the vital force attempting to cope with ill conditions within And how well Guy's Tonic, when taken in accordance with the directions, aids this vital force is confirmed by the above testimony of Father Ignatius.

There is no person suffering from any form of disease or ill-health who can fail to benefit by following out the simple Spring-Time Plan of Health Culture here offered free of cost to every reader

Following the cold-congesting influence of the winter, the blood and vital organs have become charged with an undue accumulation of waste matters, which it would have been better for the health of the individual to have had regularly removed The same cold that froze up the pipes and drains of our villas and cottages had a somewhat similar effect upon the sanitary arrangements of our bodily dwelling houses not made by human hands In the summer the blood runs "thinly" and quickly, but in the winter the cold causes it to move thickly, because less quickly That is why it is so wise a measure of health restoration to carry out the present proffered plan of spring-cleaning and toning up of the body in its every part

The result will be as apparent to those who try this plan as is the improvement of the garden after the carrying out of spring-gardening operations The winter lethargy will give place to the quickened feeling that follow the rising spring of health within.

The Eyes will brighten.
The Complexion will bloom with a new beauty.
The Tongue will taste richer flavours in the foods.
The whole Body will feel a delightful sensation of an uplift of health and energy.
The Limbs will lose their stiffness and heaviness.
The Step will be light and eagerly active.
The Stomach will signal evidences of a more healthy appetite.
The Heart will beat with a truer rhythm.
The Brain will perform its manifold duties with a new clearness and power
Every Organ will work more "sweetly" and more efficiently.
Your whole Being will rejoice in a healthier condition of affairs within the body and brain.

All who would like to experience the above benefits are invited to fill up, cut out, and send the following FREE COUPON

Cut along this dotted line

SPRING-TIME PLAN OF HEALTH-CULTURE. FREE.

"DAILY MAIL COUPON," April 13th, 1909.

Sirs —I would like to try the SPRING-TIME PLAN OF HEALTH CULTURE offered FREE to Readers of *The Daily Mail*, and including—
(1) A Letter giving particulars of Plan
(2) A newly published Treatise entitled "The Territorial Army of the Blood."
(3) A Bottle of GUY'S TONIC, etc
Following are present symptoms of my health condition —

	Nerve Weakness	1		Indigestion	8
	Want of Energy	2		Biliousness	9
	Poor Appetite	3		Flatulence	10
	Neuralgia	4		Headaches	11
	Sciatica	5		Constipation	12
	Gout	6		Inactive Liver	13
	Rheumatism	7		Weak Kidneys	14

"DAILY MAIL" FREE COUPON.

Put ✓ against your symptom of condition. Add any other symptoms in letter of application.

I enclose 3d. stamps for postage of package to following:—

NAME ....

ADDRESS ....

Cut along this dotted line

Not one who sends for—and follows—the above Free "Spring-Time Plan of Health-Culture" will fail to reap an amount of benefit that will prove a rich reward for the very little trouble and trivial expense of postage involved. Every follower of this unique "Plan" will be delighted with the benefit he or she will quickly reap

Every "Spring-Time Package" will be complete with instructions and materials. Everyone who receives it will know exactly what to do, and when to do it

Coupons should be addressed to

HEALTH PLAN DEPT., Offices of Guy's Tonic, Buckingham Palace Road, London, S.W.

Guy's Tonic Co., Buckingham Palace Road, London, S.W.

Telegraphic Address: "IPECAC LONDON." Telephone: Office, 2672 CENTRAL; Works, 3664 CENTRAL.

AWARDS: LONDON 1881. VIENNA 1883. CALCUTTA 1884. CHICAGO 1893.

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WORKS AT BERMONDSEY, S.E.

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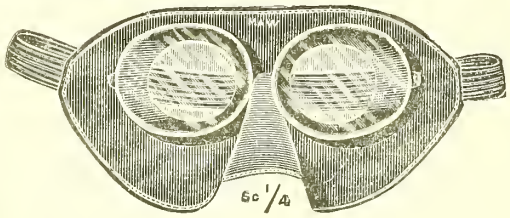

Suede Leather and Aluminium, **36/-** doz.

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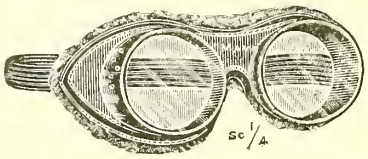
Aluminium and Chenille Binding, **12/-** doz.

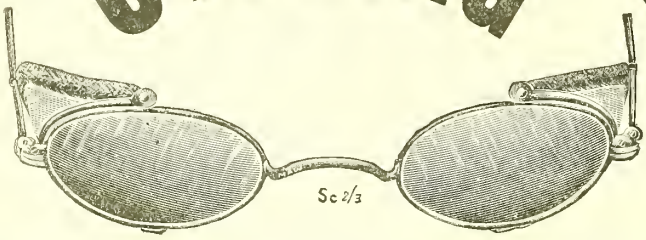
Aluminium with Curved Glass Front, **36/-** doz.



Write for Assortment of NEW PATTERNS specially prepared for this Season.

A Speciality made of all kinds of Optical Repairs. Prescription work returned the same day.

MAW'S CYCLING GOGGLES



Solid Nickel, Curl Sides, fold-over Cups, with or without Velvet Binding, **12/-** doz.

S. MAW, SON & SONS, 7-12 Aldersgate Street, London, E.C.

Telegraphic Address: "ELEVEN LONDON." Telephone Number: 3230 LONDON WALL (4 lines).

INDEX TO ADVERTISEMENTS IN THIS ISSUE.

Head Office: 42 Cannon Street, London, E.C. Telegraphic Address: "Chemicus London." Telephone No. 852, Bank
Branch Offices: Melbourne, Sydney, and Adelaide, Australia.

	Page
Aome Chemical Co., The	30
Aerators, Ltd.	19
Allcock Mfg. Co.	47
Alliance Drug & Chemical Co.	43
Atkinson & Barker	44
Bailey, W. H., & Son	47
Baiss Bros. & Stevenson, Ltd.	5
Barnett & Foster	18
Beetham, M., & Son	14
Berdoe & Fish	*Col. Supp.*
Blackie, R.	40
Boehm, F., Ltd.	15
Botwright & Grey	25
Brett & Co.	*Col. Supp.*
Bristol-Myers Co.	17
British DiaMalt Co.	21
British Drug Houses, Ltd., The	*Cover*
Brunner, Mond,& Co., Ltd.	36
Burge, Warren & Ridgley, Ltd.	47
Burrough, J., Ltd.	*Text* 598
Burroughs Wellcome & Co.	33
Burrow, W. & J.	21
Cadbury Bros.	*Cover*
Callard & Co.	48
Camwal, Ltd.	20
Capsuloid Co., The	3
Cardinal Manfg. Co., Ltd. The	32
Chemists' Co-operative Wholesale	45
Christy, T., & Co.	49
Coleman & Co., Ltd.	21
Cox, A. H., & Co., Ltd.	*Cover*
Davies, Sons, & Co.	49
Day & Sons (Crewe), Ltd.	44
Day, Son & Hewitt	30
Edinburgh Central School of Pharmacy	23
Essences, Ltd.	11
Evans, Gray & Hood	32
Evans Sons Lescher & Webb, Ltd.	*Cover*
Exchange Column	*Col. Supp.*
Farina, J. M.	12
Farmer, F., & Co.	48
Faulding, F. H., & Co.	39
Fennings, A.	*Cover*
Fentiman, A. G.	49
Fentiman, A. J., & Co.	48
Fink, F., & Co.	48
Fletcher, Fletcher & Co., Ltd.	*Text* 598
Ford, Shapland, & Co.	24
Fulford, C. E., Ltd.	32
Galen Manfg. Co.	49
Gardner & Co., Ltd.	39
Gardner, W., & Sons (Gloucester), Ltd.	14
Genin, L., & Co.	19
Goodall, Backhouse & Co.	*Cover*
Grant, D.	26
Grapelax, Ltd.	48
Guy's Tonic Co.	4
Halder, E. C.	48
Harker, G., & Co., Ltd.	22
Harker, Stagg, & Morgan, Ltd.	14
Henry, T. & W.	24
Hicks, J. J.	25
Hoff, M.	42
Hoffmann-La Roche, Ltd.	41
Horner & Sons	39
Hovenden, R., & Sons	16
Howarth & Fair	21
Hubbuck, T., & Son, Ltd.	40
Hughes, E. Griffiths	48
Hull Oil Manufacturing Co.	17
Huntley, Boorue & Stevens, Ltd.	24
Ichthyol Co., The	38
Ilford, Ltd.	*Cover*
Ingram & Royle, Ltd.	18
Iron-Ox Remedy Co., Ltd.	41
Isaacs, I., & Co.	46
Jordan, J. E.	49
Kaufmann, Dr.	42
Kilner Bros., Ltd.	50
Lange's Successors	31
Leeds College of Pharmacy	23
Lennon, Ltd.	38
Leslies, Ltd.	48
Levermore, A., & Co.	48
Lofthouse & Saltmer	22
London & County Printing Works	28
London College of Chemistry	23
Macfarlan, J. F., & Co.	37
Manchester College of Pharmacy	23
Mandall & Co., Ltd.	17
Maw, S., Son & Sons	6
May & Baker, Ltd.	*Cover*
Menley & James, Ltd.	22
Millar, A., & Co., Ltd.	18
Mitchell, N. W., & Sons, Ltd.	14
Morris Little & Son, Ltd.	30
Newbery, F., & Sons, Ltd.	14
Northern College of Pharmacy	23
Oakey, J., & Sons, Ltd.	32
Offord Patent Hygienic Truss Co., Ltd.	49
Papier Poudré, Ltd.	15
Parke, Davis & Co.	13
Pears, A. & F., Ltd.	35
Pointet & Girard	39
Potter & Clarke	29
Premier Oil Extracting Mills, Ltd.	44
Roberts, Cornford & Co.	32
Robinson & Sons, Ltd.	46
Rubwel Co., The	44
Sanitas Co., Ltd.	*Text* 598
Schimmel & Co.	38
Schutze, F., & Co.	49
Scott & Bowne	17
Scrubb & Co., Ltd.	15
Singleton & Cole	49
Slack, B.	*Text* 598
Snow, W. H., & Co.	48
Solport Bros.	25
South London School of Pharmacy	23
South of England School of Pharmacy	23
Standard Tablet & Pill Co.	34
Stedman, Dr.	48
Strong, Christy	31
Taylor, F. H., & Sons	27
Tomlinson & Hayward, Ltd.	*Text* 598
Tunbridge & Wright	31
Tye, J., & Son	48
Van Abbott & Sons	49
Viscose Development Co.	21
Wand Manfg. Co.	30
Wardale & Co.	49
Warrick Bros.	34
Washington Chemical Co., Ltd.	44
Westminster College of Pharmacy	24
Wilcox, Jozeau, & Co.	*Text* 598
Wilson Vet. Medicine Mfg. Co.	48
Wood, V.	46
Wood's Peppermint Cure	42
Youldon, E., Ltd.	46
Zotos, Ltd.	42

THE BUYERS' GUIDE.

In this section, under appropriate headings, are given the names of firms advertising in this or other issues of the month. No charge is made to advertisers for the insertion of their names, but only those who have contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemists' and Druggists' Diary." Inquiries addressed to "The Chemist and Druggist," 42 Cannon Street, London, E.C., regarding articles not appearing in these pages will receive prompt attention.

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May & Baker, Ltd.

CAPPING MATERIALS
Viscose Co., Ltd.

CAPS FOR BOTTLES, &c.
Darter, Wilkinson & Co.
Fecher, M. J.
Viscose Co., Ltd. (self-fixing)

CAPSULES
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Davies, Sons & Co.
Denoual, J., & Co.
Duncan, Flockhart & Co.
Lloyd, T. Howard, & Co.
Mawson & Co.
Pill, Tablet, & Capsule Alliance
Tye, J., & Son
Wand Mfg. Co
Wander, A.
Warrick Bros.
Woolley, J., Sons & Co

CAPSULING MACHINE
Melin, C.

CARBOLIC ACID
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Chemists' Co-operative Wholesale
Hoffmann-La Roche, Ltd.
(*See also* Disinfectants)

CARTONS
Ford, Shapland & Co.
Harrison & Waide

CASH TILLS
British Machine Co., Ltd.
O'Brien, T.

CASTOR OIL
Boehm, F., Ltd.
Hull Oil Mfg. Co., Ltd.
Premier Oil Extract. Mills, Ltd.

CAUSTIC SODA
Brunner, Mond & Co., Ltd.

CEMENTS
Kay Bros., Ltd.

CHALK, PRECIPITATED
Levermore, A., & Co.
Mumford, G. S., & Sons
Nichols Chemical Co., Ltd.
Sturge, John & E.

CHAMOIS
Cresswell Bros. & Schmitz
Internatl. Sponge Importers
Kent, G. B., & Sons, Ltd.
Solport Bros.

CHEMICAL MFRS.
Bayer Co., Ltd.
Boehm, F., Ltd.
Boehringer, C. F., & Soehne
Bramwell, E., & Son
British Drug Houses, Ltd.
Brunner, Mond & Co., Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Harrington Bros., Ltd.
Hoffmann-La Roche, Ltd.
Howards & Sons, Ltd.
Knoll & Co.
Macfarlan, J. F., & Co.
Martindale, W.
May & Baker, Ltd.
Merck, E.
Morson, T., & Son
Schimmel & Co.
Smith, B. A., & Co.
Smith, T., & H., Ltd.
Sthamer, Dr. Richard
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Washington Chemical Co.
White, A., & Sons

CHEMISTS, MFG.
Allen, Stafford, & Sons, Ltd.
Anglo-American Pharm. Co., Ltd.
Ayrton, Saunders & Co.
Beetham, M., & Son
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Burgoyne, Burbidges & Co.
Burroughs Wellcome & Co.
Bush, W. J., & Co., Ltd.
Davenport, J. T., Ltd.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co.
Hay, William, Ltd.
Hewlett, C. J., & Son
Horner & Sons
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Mandall & Co., Ltd.
Martindale, W.
Newball & Mason
Newbery, F., & Sons, Ltd.
Oldfield, Pattinson & Co.
Oppenheimer, Son & Co.
Owbridge, W. T., Ltd.
Parke, Davis & Co.
Potter & Clarke
Randall & Son, Ltd.
Ransom, W., & Son
Sankyo & Co.
Shirley Bros., Ltd.
Southall Bros. & Barclay, Ltd.
Squire & Sons
Standard Tablet & Pill Co.
Stevenson & Howell, Ltd.
Thompson & Capper
Wand Mfg. Co.
Woolleys, Ltd.
(*See also* Wholesale)

CHEST PROTECTORS
Schutze, F., & Co.
Solport Bros.
Wood, Vincent

CHLORIDE OF LIME
Brunner, Mond & Co., Ltd.

CHLOROFORM
Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Morson, T. & Son
Smith, T. & H., Ltd.

CIGARS AND CIGARETTES
Hovenden, R., & Sons, Ltd.
Singleton & Cole, Ltd.

CITRIC ACID AND CITRATES
British Drug Houses, Ltd.
Howards & Sons, Ltd.
Morson, T., & Son
Sturge, John & F.

CLINICAL THERMOMETERS
Burge, Warren & Ridgley, Ltd.
Darton, F., & Co.
Hicks, J. J.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Rose, Carl
Zeal, G. H.

CLOTH BALLS
O'Neill, Zetts & Co.
Senier, A., & Co

COAL TAR SPECIALITIES
Wright, Layman & Umney, Ltd.

COCOA
Cadbury Bros., Ltd.
Frame Food Co.
International Plasmon, Ltd.
Oppenheimer, Son & Co., Ltd.
Van Houten & Zoon

COD-LIVER OIL
Aarsæther, Brödr.
Albrethson, A., & Co.
Allen & Hanburys, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Bush, H. W., & Co., Ltd.
Devold, Peder
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Jervell & Co., Ltd.
Lloyd, T. Howard, & Co.
Oldfield, Pattinson & Co.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons, & Co., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, A. & M.
Zimmermann, C., & Co.

COLOURS, BEVERAGE, &c.
Cresp-Martinenq
Stevenson & Howell, Ltd.
(*See also* Dairy Adjuncts)

COMBS
Hovenden, R., & Sons, Ltd.
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Sangers'

CORKS
Mitchell, N. W., & Sons, Ltd.

COUNTER ADJUNCTS
Evans Sons Lescher & Webb, Ltd.

COUNTER SPECIALITIES
Allen & Hanburys, Ltd.
British Drug Houses, Ltd.
Hewlett, C. J., & Son
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

CREAM OF TARTAR
British Drug Houses, Ltd.

CREOSOTE
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood
Morson, T., & Son

CYANIDES
May & Baker, Ltd.

DAIRY ADJUNCTS
Benger's Food, Ltd.
Fullwood, R. J., & Bland
Tomlinson & Hayward, Ltd.

DEAFNESS AIDS
Hawksley, T.

DENTAL MECHANICS
Fentiman, A. G.
Fentiman, A. J., & Co.
Halder, E. C.
Wardale & Co.

DENTIFRICES
Beecham, T.
Beiersdorf, P., & Co.
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
Burroughs Wellcome & Co.
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Eucryl, Ltd.
Jewsbury & Brown
Lambert Pharmacal Co.
McKesson & Robbins
Maw, S., Son & Sons
Meyer-Sander Dental Supply
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Sozodont (Richards)
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.

DIABETIC BREAD AND FOOD
Callard & Co.
Van Abbott, G., & Sons

DIGESTIVE PRODUCTS
Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

DOG BISCUITS AND PREPS.
Spratt's Patent, Ltd.

DRUGS, CRUDE
Potter & Clarke, Ltd.
Ransom, W., & Son

DYES
Judson, D., & Son
Whitaker & Co.

DISINFECTANTS
Baiss Bros. & Stevenson, Ltd.
Burgoyne, Burbidges & Co.
Burt, Boulton & Haywood, Ltd
Calvert, F. C., & Co.
Condy & Mitchell, Ltd
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
McDougall Bros.
Morris Little & Son, Ltd.
Roberts, Cornford & Co.
Rowan, A., & Brother
Sanitas Co., Ltd.
Standardised Disinfectants Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DRUGGISTS' SUNDRIES
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Burgoyne, Burbidges & Co.
Chemists' Co-operative Wholesale
Christy, T., & Co.
Cook, Alfred, & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Johnsen & Jorgensen, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Rosenstiel, B.
Sangers'
Schutze, F., & Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co.

EAU DE COLOGNE
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS
Bath and West of England College of Pharmacy
Birmingham and Midland College of Pharmacy
Charing Cross Hospital Medical College
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Royal Dental Hospital of London
South of England College of Pharmacy
Westminster College of Pharmacy

EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Martindale, W.
Newball & Mason
Parke, Davis & Co.
Potter & Clarke
Shirley Bros.
Standard Tablet & Pill Co.
Sturge, John & E.
Tidman & Son, Ltd.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELECTRICAL MASSAGE INSTRUMENTS
Jones & Kleiser

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Haywood, J. H.
Jackson, Röhrs, & Co.
Maw, S., Son & Sons
Wood, Vincent

EMERY AND CLOTH
Oakey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.
Allen & Hanburys, Ltd.
Ayrton, Saunders & Co.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
Boulton, J., & Co.
British Drug Houses, Ltd.
Burgoyne, Burbidges & Co.
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Woolley, Jas, Sons, & Co.
Woolleys, Ltd.

ENEMAS
Bailey, W. H., & Son
Baird Bros.
Burge, Warren & Ridgley
Davol Rubber Co.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

EPSOM SALTS
Howards & Sons, Ltd.

ESSENCES, CONCRETE
Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
Barnett & Foster
Bush, W. J., & Co., Ltd.
Cresp-Martinenq
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Whittaker, A.
Zimmermann, A. & M.

ETHERS
Baiss Bros. & Stevenson, Ltd
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

ETHYL CHLORIDE
Duncan, Flockhart & Co.

EUCALYPTUS OIL
British Drug Houses, Ltd.
Baiss Bros. & Stevenson, Ltd.

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)
Allen, Stafford, & Sons, Ltd.
Chemists' Co-operative Wholesale
Hewlett, C. J., & Son
Ransom, W., & Son
(*See also* Wholesale Druggists)

FEEDING BOTTLES
Breffit, E., & Co., Ltd.
Fecher, M. J.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Savory & Moore, Ltd.
Southall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons

FERTILIZERS
Witt's Chemical Manure Co.

FILLING MACHINES
Roberts' Pat. Fill. Machine Co.

FILTERS (WATER)
Berkefeld Filter Co., Ltd.

FLYCATCHERS
Alabastine Co. (British), Ltd.
Lange's, H., Successors
Smith, J. H., & Co.
Strong, Christy

FOODS, INFANTS'
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis B. & T.

FOODS, SPECIAL
Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Callard & Co.
Fairchild Bros & Foster
Frame Food Co., Ltd.
International Plasmon, Ltd.
Lemco, Ltd.
Menley & James, Ltd.
Miol Manufacturing Co.
Natural Food Co., Ltd.
Ridge's Royal Food Mills
Wander, A.

FORMALDEHYDE
Burt, Boulton & Haywood

FULLER'S EARTH
Mumford, G. S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GELATIN AND GLUE
Boehm, F., Ltd.

GLAUBER'S SALT
Bramwell, E., & Son
Howards & Sons, Ltd.
Nichols Chemical Co., Ltd.

GLYCERIN
Boehm, F., Ltd.
Price's Patent Candle Co.

GOLD PAINT
Judson, D., & Son

GRINDERS
Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

HAIR PREPARATIONS
Capsuloid Co., Ltd.
Dralle, Georg.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
J.S.W. Preparations, Ltd.
"Nyto" Co.
Rohare's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

HAT DYES
Whitaker & Co.

HERBS
Potter & Clarke

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Epps, J., & Co., Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOT-WATER BOTTLES
Berliner, Arthur
Burge, Warren & Ridgley
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Wood, Vincent

HOTELS
Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

INHALERS
Christy, T., & Co.
Fecher, M. J.
Sangers'

INK
Bewley & Draper, Ltd.
Hickisson, A. B.
Hooper, W., & Co.

INSECT POWDER
Boehm, F., Ltd.
Carmichael, F. J., & Co.
Shirley Bros., Ltd.
Smith, B. A., & Co.

INSECTICIDES
Acme Chemical Co., Ltd.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Woolleys, Ltd.

IODINE AND IODIDES
Howards & Sons, Ltd.
Merck, E.
Morson, T., & Son

ITROSYL
Fletcher, Fletcher & Co.

JARS AND POTS
Breffit, E., & Co., Ltd.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Poths, H., & Co.
Rosenstiel, B.
Stipendum Stopper Co.
Taylor, F. H., & Sons
Toogood, W., Ltd.

LACTOBACILLINE PRODUCTS
Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Martindale, W.
Parke Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING
McDougall Bros
Roberts, Cornford & Co.

LANOLINE
Burroughs Wellcome & Co.
Christy, T., & Co.
Sangers'
Wilson & Mansfield

LANTERNS
Butcher, W., & Sons

LARD
Chemists' Co-operative Wholesale
Ewen, J., & Sons

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.
Allen, Stafford, & Sons
Mumford, G. S., & Sons

LIQUORICE JUICE
Boehm, F., Ltd.
British Drug Houses, Ltd.
Burgoyne, Burbidges & Co.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.
Allen, Stafford, & Sons, Ltd.
Fletcher & Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS
British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS
Cresswell Bros. & Schmitz

LOZENGES
Allen & Hanburys, Ltd.
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Potter & Clarke
Raimes & Co.
Shirley Bros., Ltd.
Warrick Bros.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Brown & Son
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
"Hercules" Meat Juice Press
Pindar, J. W., & Co.
Roberts' Patent Filling Machine Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MALT EXTRACT AND PREPS.
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
British Dia Malt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Hoff's Malt
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Squire & Sons
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MAGNESIA AND ITS SALTS
Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MARKING INK
Hickisson, A. (Bond's)
Hooper, W., & Co.

MEASURES
Taylor, F. H., & Sons

MEAT EXTRACT
Armour & Co., Ltd.
Brand & Co., Ltd.

MEDICINE CHESTS
Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MENTHOL CONES
Maw, S., Son & Sons
Shirley Bros., Ltd.

MERCURIALS
Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METHYLATED SPIRIT
Burrough, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS
Hawksley, T.
Zimmermann, C., & Co.

MINERAL WATERS SALTS
Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Burrow, W. & J. (Malvern)
Hughes, E. Griffiths
Ingram & Royle, Ltd.
Parke, Davis & Co.
Vichy (State Springs)
Vitaregis Hygienic Co.

NAPHTHAS
Burt, Boulton & Haywood

OILS, ESSENTIAL
Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Cresp-Martinenq
Horner & Sons
Jakson, J., & Co.
Lautier Fils
London Essence Co.
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Ransom, W., & Son
Roure-Bertrand fils
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Spurway et Cie.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.
Allen, Stafford & Sons, Ltd.
Carmichael, F. J., & Co.
Cresp-Martinenq
Lautier Fils
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL
Carmichael, F. J., & Co.
Price's Patent Candle Co.
Wright, Layman & Umney

OINTMENTS
Blackie, R.
Chemists' Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OPTICAL INSTRUCTION
British Optical Institute

PACKED GOODS
(*See* Wholesale)

PALATINOIDS
Oppenheimer, Sons & Co.

PASTILLES
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Baiss Bros. & Stevenson
Burroughs Wellcome & Co.
Denoual, J., & Co.
Epps, J., & Co., Ltd.
Evans Sons Lescher & Webb
Warrick Bros.

PATENT AGENT
Barker, R. W.

PERFUME MATERIALS
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Cresp-Martinenq
Haliflor Co.
Lantier Fils
Mühlethaler, Th., Ltd.
Murray, C., & Co., Ltd.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Spurway et Cie.
Treatt, R. C., & Co.
Zimmermann, C., & Co.

PERFUMES
Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Cresp-Martinenq
Dralle, Georg.
Eiasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Haliflor Co.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Piver, L. T.
Quelch, H. C., & Co.
Shirley Bros.
Southall Bros. & Barclay
Spencer, J., Son & Co.
Spurway et Cie.
To-Kalon Mfg. Co.
Warrick Bros.
West, T.
Zenobia Laboratories

PESSARIES
Burge, Warren & Ridgley
Rendell, W. J

PETROLEUM EMULSION
British Drug Houses, Ltd.

PETROLEUM JELLY
Chesebrough Mfg. Co.

PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Lockyer, J. E.
Merck, E.

PHOTO. GOODS
Barclay & Sons, Ltd.
Butcher, W., & Son, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.

PHOTO. WORK
Express Developing Co.

PILL MAKERS
Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Evans Sans Lescher & Webb, Ltd
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Pill, Tablet, & Capsule Alliance
Southall Bros. & Barclay
Standard Tablet & Pill Co.
Wand Mfg. Co.
Warner, W. R., & Co.
Woolley, J., Sons & Co., Ltd.

POLISHES (VARIOUS)
Bradley & Bourdas
Judson, Daniel, & Son
Kay Bros., Ltd.
Oakey, J., & Son, Ltd.

PLASTERS
Allcock Mnfg. Co.
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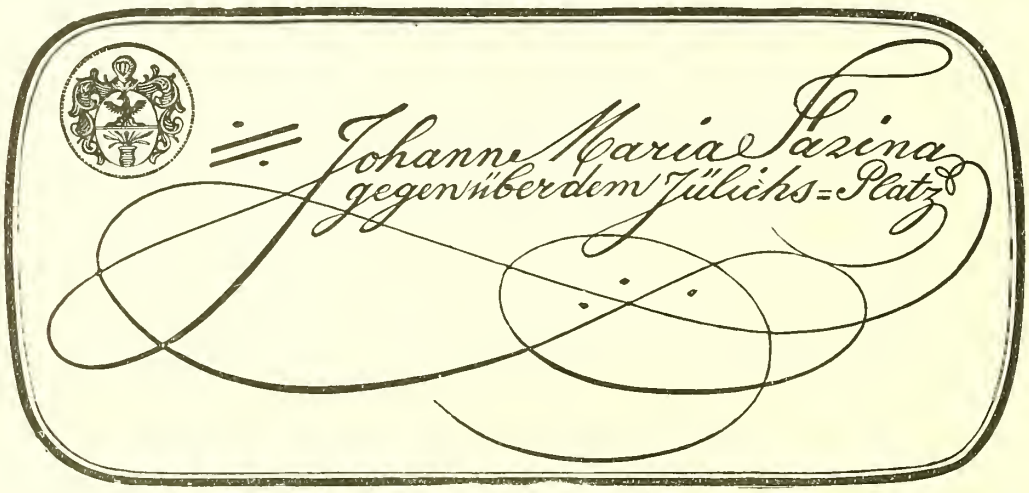

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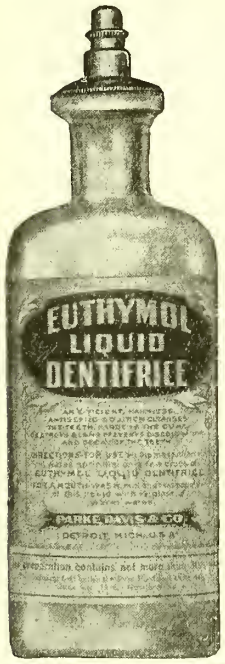

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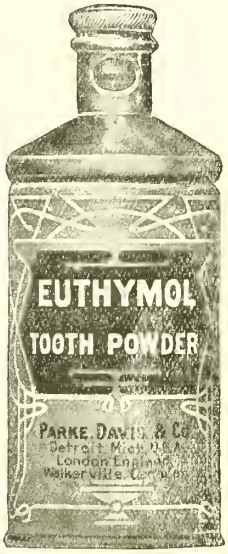

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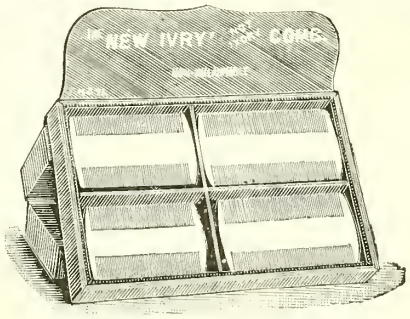

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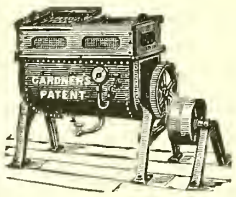

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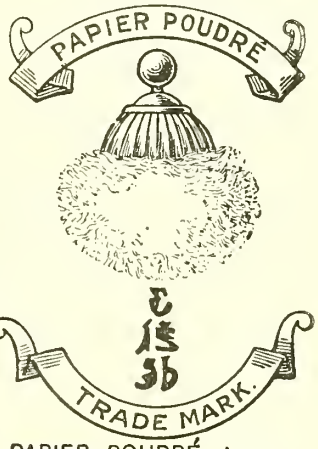

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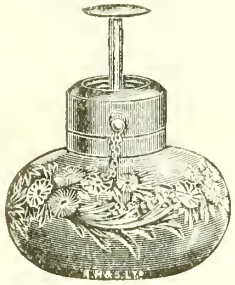
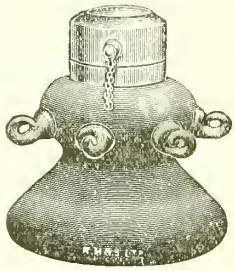
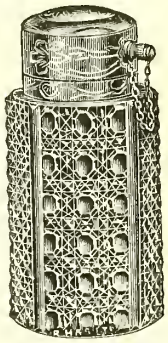


Hand-cut English Glass, with Nickel Mount.
No. 32 ... **72/-** per doz.

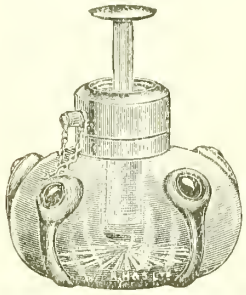


English Glass, tinted Green, with Nickel Mount.
No. 38 ... **72/-** per doz.

Hand-cut English Glass, with Nickel Mount.
No. 22 ... **93/-** per doz.



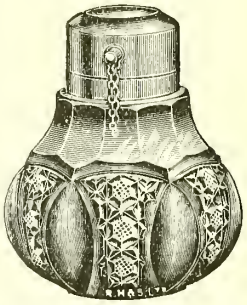
Cut Glass, tinted Ruby or Green, with Gilt Engraved Mount. No. 67... **93/-** per doz.



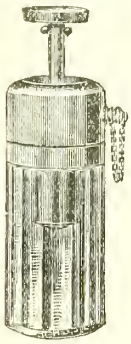
English Glass, with Emerald or Amethyst decoration.
No. 3 ... **66/-** per doz.

Decorated Glass.
No 82 ... **36/6** per doz.

Engraved Glass, with Nickel Mount.
No. 81 ... **45/-** per doz.



Handsome Cut Glass, with Nickel Mount.
No. 79 ... **66/-** per doz.



No. 157. Nickel.
17/- per doz.

No. 158 ... **25/-** per doz.
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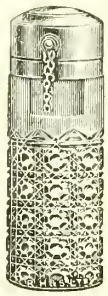
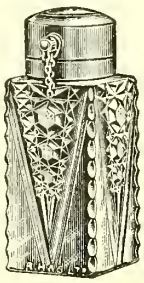


Hobnail Cut Glass, with Nickel Mount.
No. 76.
35/- per doz.

No. 612.
Cut Glass, assorted.
27/- per doz.



Cut Glass, with Nickel Mount.
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Do. ...	2/9	,,	2/6 ,,	Do.	2/9	,,	25/- ,,

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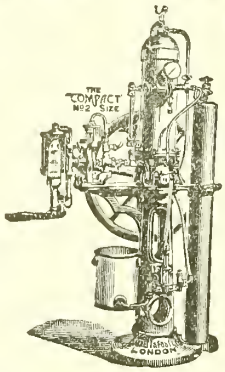

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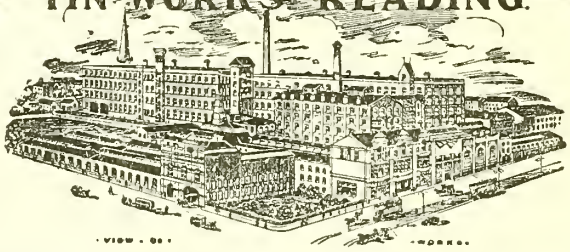

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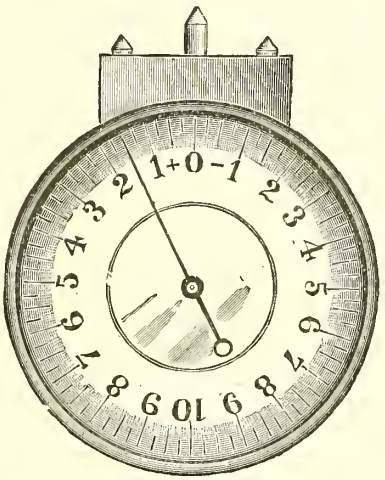

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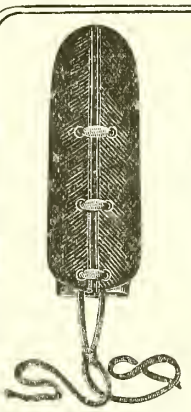

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JAMES J. HICKS,

MANUFACTURER OF CLINICAL AND SCIENTIFIC INSTRUMENTS. (Wholesale only.)

8, 9 and 10 HATTON GARDEN, LONDON, ENGLAND.

GAINED HIGHEST AWARDS.

Paris - 1900.

NINE GOLD AND SILVER MEDALS WERE

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The only Gold Medal Awarded for Clinical Thermometers.

INVENTIONS EXHIBITION,

1885 - London.

ALSO AWARDED TO ME—PARIS, 1900.

Obtained GRAND PRIX, FRANCO-BRITISH EXHIBITION, LONDON, 1908.

HICKS' CELEBRATED CLINICAL THERMOMETERS

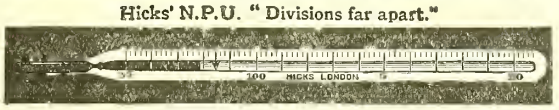
BUY YOUR CLINICAL THERMOMETERS OF THE REAL MAKER.

I made the first in 1862 and have now made and sold nearly **TEN MILLIONS.** Over 50 different varieties to select from.

Hicks' Unrivalled Hospital.

Hicks' Original Lens "Minute" and "Half Minute."

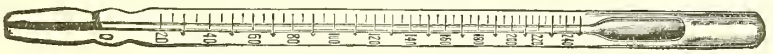
Hicks' N.P.U. "Divisions far apart."



Hicks' Opaque Back for direct reading.

ILLUSTRATED PRICE LIST ON APPLICATION. *SPECIAL QUOTATIONS TO LARGE BUYERS.*

THE LEONARD HILL POCKET SPHYGMOMETER, For Determining the Systolic Pressure.



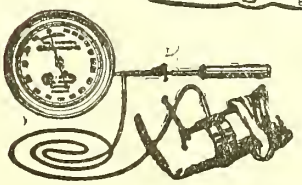
J. J. HICKS *SOLE MAKER* LONDON. *PATENT.*

DESCRIPTIVE CIRCULAR POST FREE.

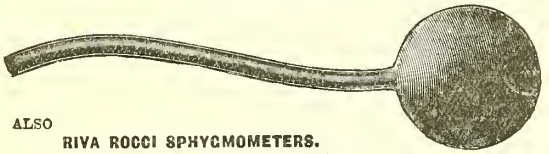
The Instrument consists of a gauge, and of a flaccid rubber ball contained in a silk bag to prevent over-expansion, fitted with a few inches of rubber tubing

ITS ADVANTAGES ARE—

It is no larger than a Clinical Thermometer.
The use of Armlets, Taps, and Mercury is entirely obviated.
Its readings are identical with those of the larger Riva-Rocci and Hill-Barnard systems.
Zero Adjustment is automatic.



PATENT "DIAL" SPHYGMOMETER
by Drs. Hill and Barnard.



ALSO

RIVA ROCCI SPHYGMOMETERS.
As modified by Dr. J. C. MARTIN, F.R.S.
As modified by Mr. LOCKHART MUMMERY, F.R.C.S.

Price Complete, 10/-.

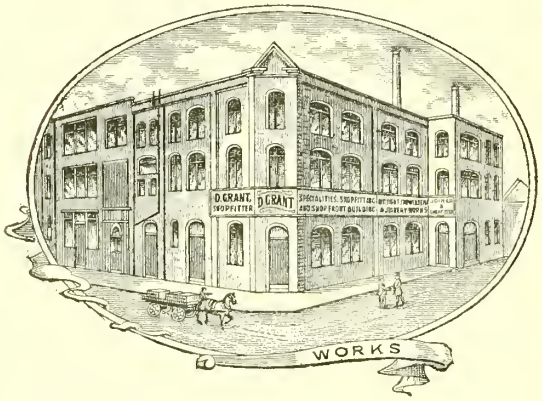
D. GRANT, SHOPFITTER & PATENTEE, ST. JAMES PLACE, EDINBURGH.

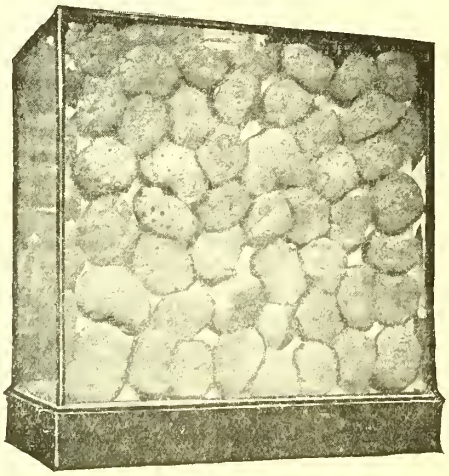
IN a long and varied experience of Chemist Shop Fitting the most frequently expressed wish of Chemists is to have a centre Showcase for the display of Sponges. In the Case illustrated below this wish has been met. By means of a patent system of brass wire sliding trays the sponges can be so classified and arranged both as to quality and price that any sponge which a customer may select can be secured without any trouble or disarranging of case. The trays are so constructed as to be entirely hidden by goods, and as many divisions as desired can be arranged for. The same arrangement can be applied to any ordinary sponge case.

On receipt of floor plan and measurements I shall always be pleased to supply sketches and estimates for every description of Chemist Fittings, which of course varies with different shops.

Fittings made up for foreign and colonial trade in special style and fitted up in our workshop in suitable sections before being despatched, and which can be refitted up by any ordinary tradesman.

'PHONE: 3969Y CENTRAL.





SPONGE CASE with patent system of trays.

The following is a List of Chemist Shops Fitted up to 1909:—

EDINBURGH.—
Mr. Watt, Newington.
,, Sutherland, Rodney Street.
,, Whyte, Inverleith Row.
,, Robertson, Inverleith Row.
,, Anderson, Tollcross.
,, Anderson, Morningside.
,, Glass, Morningside.
,, Glass, North Bridge.
,, Baxter, Strathearn Road.
,, Gibb, Marchmont Road.
,, Reid, Elm Row.
,, Beattie, Bruntsfield Place.
,, Mason, Comely Green.
,, McCallum, Meadowbank.
,, Cowie, Dublin Street.
,, Somerville, Clerk Street.

,, Coates, Leith.
,, Dudgeon, Leith.
,, Cormack, Corstorphine.
,, Jamieson, Roslin.
,, Mulvenna, Gilmerton.
,, Stenhouse, Musselburgh.
,, Kemp, Eskbank.
,, Kemp, Dalkeith.
,, Laing, Juniper Green.

Mr. Laing, Colinton.
,, McLaren, Pathhead.
Dr. Kelso, Broxburn.
Mr. Stuart, Broxburn.
,, Reid, Bathgate.
,, Forrester, Dysart.
,, Forrester, Cupar.
,, Forrester, Sinclairtown.
,, Bowman, Cardenden.
,, Ramsay, Cardenden.
,, Bowman, Anstruther.
,, Robertson, Douglas Street, Dumfermline.
,, Robertson, Moodie Street, Dumfermline.
,, Greig, Cowdenbeath.
,, Yule, Cowdenbeath.
,, Robertson, St. Andrews.
,, Husband, Leven.
,, Cowie, Largo.
,, Fraser, West Linton.
,, Kearney, Hawick.
,, Scroggie, Lauder.
,, Robertson, Berwick
,, Craig, Lanark.
,, Eunson, Biggar.
,, D. Duncan, Grahamston, Falkirk.

Mr. Reid, Bothwell.
,, McNaughton, Port Glasgow.
,, J. Fraser, Helensburgh.
,, Freeland, Dunoon.
,, B. McLean, Kilmalcolm.
,, Boyd, Kilmarnock
,, McInnes, West Kilbride.
,, Harley, Bridgend, Perth.
,, Harley, High Street, Perth.
,, Munro, Scone.
,, Brunton, Perth.
,, Nicol, Carnoustie.
,, Petrie, Blairgowrie.
,, Buchanan, Kirriemuir.
,, Hunter, Fraserburgh.
,, Hay, Banff.
,, Fraser, Forres.
,, McDonald, Inverness.
,, Hendry, Inverness.
,, McVitie, Maryport.
,, H. H. Swann, Paris.
,, Laidlaw, Lockerbie.
,, Smith, Boness.
,, Michie, Perth Road, Dundee.
,, Cairnie, Lochgelly.
,, Fotheringham, Dalry, Ayrshire.
,, McInnes, Bathgate.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 17, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS, and to ensure the due insertion of the announcements the remittances must accompany the instructions.** A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—KENSINGTON.—Retail and Dispensing Business; capitally situated in good middle-class residential locality; returns between £1,150 and £1,200 per annum; *net profit* £351; 21 years' lease; price £1,000.

2.—CITY PHARMACY.—Situate in close proximity to busy railway station; old-established Business; Retail and Dispensing; returns between £2,500 and £3,000 per annum; scope for development; *profits above the average*; price £2,500, or Partnership entertained.

3.—MIDDLESEX (few miles out).—General, Retail, Dispensing, Prescribing, and Photographic trade; returns about £1,000 per annum; *net profit* £280; modern, well-fitted shop, capitally situate in the centre of town; price £700.

4.—CRYSTAL PALACE DISTRICT (Residential Suburb).—Good-class Dispensing and Retail Business; returns about £1,100 per annum; *profits above the average*; large shop, fitted in mahogany; comfortable residence; rent £75; no serious opposition; price £875.

5.—LONDON, S.W. (Main Thoroughfare).—Modern Pharmacy; returns over £1,000 yearly; *net profit* £250; comfortable residence; rent £60; long lease; price £650 or near offer.

6.—LONDON, E. (Main Thoroughfare).—Ready-money Business, Retail and Prescribing; returns exceed £800; *net profit* 25 *per cent.*; modern-fitted shop; rent £45; long lease; price £600.

7.—LONDON, S.E. (Main Thoroughfare).—Old-established Business, Retail, Prescribing, and Photographic; returns £12 weekly; formerly £20; intending buyers with £275 at command will find this a good investment.

8.—NORTH WALES (Health Resort).—General Retail and Agricultural; all good middle-class business; returns between £600 and £700; *gross profit about* £300; double-fronted shop, well situate in the centre of town; roomy house; new lease will be granted; offer wanted; illness cause of sale.

9.—NORTH OF ENGLAND.—Light Retail, Prescribing, and Photographic trade; returns average over £700 per annum; profit (*net*) £228; well-appointed shop; situation unique; terms, lease and goodwill £75; stock and fixtures at valuation.

10.—SURREY (within easy distance of Town).—Modern Pharmacy; chiefly Ready money; average returns £920; *net profit* £245; roomy shop, well fitted in mahogany; rent moderate; long lease; price £360.

11.—WESTERN COUNTY.—Unopposed Business, Retail, Dispensing, Prescribing, and Photographic; established 10 years; returns average £520; *net profit* £200; commodious house; large garden, fruit-trees, etc.; price £425.

12.—NORFOLK (Health Resort).—Retail, Prescribing, and Photographic; returns £768; *net profit* 25 *per cent.*; rent £55 per annum; price £350 (about the value of stock and fixtures).

13.—GREAT WESTERN MAIN LINE (Health Resort).—Good-class Business; held by vendor many years; returns about £2,500; *gross profit half* (proof given); attractive shop; very good position; commodious house; rent £55; held on long lease; price £2,000.

14.—YORKS (Health Resort).—High-class Dispensing and Retail Business; returns (including small branch) about £900; *profits above the average*; immediate sale desired; no reasonable offer refused; ill-health cause of sale.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

CHEMISTS' VALUERS AND TRANSFER AGENTS,

Telegrams: "Brett Leicester." **8 WEST STREET, LEICESTER.** Telephone: 160 Y

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.
AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

LONDON, S.W.—Middle-class Retail, Prescribing, and Photographic; great scope for increase; no serious opposition; returning under unqualified manager £865; has done more than £1,000; net profit £245; good premises; to effect a quick sale will accept the low figure of £360; great bargain.

ESSEX.—Very nice Retail, Dispensing, and Prescribing; grand opening for Photo and Optics; good Proprietaries; nice, well-fitted shop and convenient house; low rent; returns nearly £500; excellent profits; price £260; splendid concern and very little opposition; only wants seeing; healthy district.

MIDLANDS.—Good-class Light Retail, Photo, and Optical; returns £1,500; price £900; net profit £350.

LEICESTERSHIRE.—Old-established Light Retail; fine position in market town; returns £550; price £450; profitable.

LINCS.—Splendid Light General Cash Retail; main street busy town; returns £1,400 under manager; price valuation (about £600).

NORTHANTS.—Good General Country Retail; low rent; returns £500 (over); net profit £225; price £450.

KENT.—Middle-class Retail, Dispensing, and Prescribing; nice house; seaside resort; returns £350; net profit £125; price £150.

LIVERPOOL.—Good-class Retail; capable of great increase; now under unqualified manager; returns £630; net profit £200; price £400.

MIDDLESEX.—Light Retail, Dispensing, and Prescribing; pretty district; good house; returns £700; net profit £200; price £550.

KENT.—Good middle-class Retail; nice house and garden; coast; returns £800; net profit £250; price £575.

WANTED, IMMEDIATELY, several good-class Businesses, Midlands or North, returning from £800 to £2,000; although we have been most successful recently in disposing of a large number of businesses, we have still a great many clients on our books *unsuited*, and we are in a position to effect a speedy sale without publicity. Write us at once.

STOCKTAKING.—Allow us to point out the necessity of having your Stock taken for "Fire Insurance" and "Balance-Sheet" purposes. Let us send you our terms.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—SOUTH-WEST OF ENGLAND.—Good-class Country Retail Business; well connected and very profitable; returns approach £1,000; net profit £300 to £350; good house and garden; attractive Pharmacy, fully stocked; price £900; strongly recommended.

2.—SURREY (Charming Locality).—First-class Family Retail and Dispensing Business, producing a clear net profit of nearly £450 yearly (proof given); modern, up-to-date Pharmacy; very best position; fully-stocked; splendid house; price £1,200; references required.

3.—SOUTH COAST.—High-class Dispensing and Retail Business, in a much-sought-after locality; returns £1,525 at excellent profits, practically under management; can be much increased; price, including valuable proprietaries, £1,500.

4.—BERKSHIRE.—Good-class Retail and Dispensing with good Photographic trade; returns £1,100, good profits; large shop, well fitted and stocked; good house and garden; price £750 or valuation terms arranged.

5.—MIDLANDS.—Light Mixed Country Retail Business, in best position of small town; returns £850; scope for increase; low rent; corner shop, well fitted and stocked; price £375 or near offer.

6.—LANCS (Small Town).—Light Retail, Prescribing, and Photographic; in central position; returns over £600; net profit £185; good house and shop; price £300 or valuation.

7.—SUSSEX.—Good-class Country Retail, Prescribing, and Dispensing, with some Dentistry; returns last year £939; can be increased in younger hands; good market town; owner retiring; price £600.

8.—CRYSTAL PALACE (Near).—Good-class Retail and Dispensing, with very few patents; returns £820; good profits; well-fitted shop; excellent position; fully stocked; price £600.

9.—LONDON SUBURB.—Light Family Retail and Prescribing; very few patents; returns over £600; net profit £240 clear; no near opposition; good house, etc.; price £325; books properly kept.

10.—SOUTH OF ENGLAND.—Old-established Light Retail, Dispensing, and Prescribing Business; returns average £1,350; net profit £450 to £500; very best position; good reasons for selling; price £1,275.

11.—NORTHERN COUNTY.—Sound General Retail, Prescribing, and Photographic Business; returning over £2,600; splendid position; large shop, well fitted and heavily stocked; price about £1,800.

12.—MARKET TOWN (Easy Distance from London).—Good-class, well-established Retail; neglected; returns about £800; plenty of scope; very best position in growing town; valuation only required, plus small goodwill.

13.—NORTH WALES (Health Resort).—Good-class Retail and Dispensing, with Optics and own Proprietaries; returns £870; net profit £290; splendid position; weak opposition; price £650.

14.—HERTS.—Good-class Retail, Dispensing, and Prescribing; returns £700, increasing; busy market town; no near opposition; low rent; stock and fixtures worth about £350; price £430 or offer.

15.—SOUTH COAST.—Light Retail, Prescribing, and Dispensing Business; returns £950; net profit over £250; double-fronted shop, well fitted and stocked; price £630; part can remain.

16.—HOME COUNTY.—Unopposed Light Village Retail Business; returning £8 weekly, at good profits; rent £20; convenient house and shop, well stocked; price for early sale £220.

17.—WEST-END.—High-class Dispensing and Light Retail Business; returns £20 a week, at best prices; plenty of scope; handsomely fitted shop, well stocked; price £700.

18.—LONDON, N.—Light Cash Retail, Prescribing, and Dispensing; in busy main road; returns £1,500; net profit £385; splendid position; very attractive shop; price £850.

STOCKTAKING.

Every modern Chemist knows that Stocktaking is a necessity, but is he aware of its immense value and importance in connection with FIRE INSURANCE and preparing a BALANCE-SHEET? If not, he should at once turn up page 115 in the "C. & D. Diary, 1909," and carefully read our advertisement on this subject, and then write for our special terms for doing this work.

J. G. BERDOE established the firm in 1870, and W. S. FISH was apprenticed to him in 1877.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

LONDON, W.—Death Vacancy.—Old-established Retail in good neighbourhood; been much neglected; nice corner shop; well fitted and stocked; rent £70, on lease; all let off, leaving shop and 4 rooms rent free; price £450; from £1,000 to £1,500 can easily be done here.

LONDON SUBURB (10 miles out).—Good Retail and Proprietary Business, returning £1,000 at good profits; returns average £1,000; double-fronted shop; well fitted; price about £500.

IN the Centre of High Street (good London Suburb).—A well-established Cash Retail, doing £1,000 under manager; rent £65, on lease; price £350, or first reasonable offer, as vendor must sell quickly.

IN EAST LONDON.—A very old-established but much neglected Business, with Post-office attached which brings in net profit of £125 per annum; rent £60, on lease; £800 to £1,000 can easily be done here; incoming very small, as stock is low.

IN Large Village and good Residential Neighbourhood.—An unopposed Family Retail and Dispensing; good house and shop; large garden, yard, stable, etc.; rent £50; Dentist pays for weekly visit; returns £800; net profit £300; price £600; fullest investigation allowed.

FREDK. WM. SMITH,

LICENSED CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made

3 Belgrave Terrace, LEEDS

TELEPHONE 02949.

TOMTOM

Telegraphic Address.

THOS. TOMLINSON & SON.

Chemists' Valuers and Expert Stocktakers,
Businesses transferred privately.
29 NEW CANNON STREET, MANCHESTER.

BUSINESSES FOR DISPOSAL.

3s. 6d. *for* **50** *words or less;* **6d.** *for every* **10** *words beyond, prepaid.*

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BAMBROUGH, LTD., Fulham.—Messrs. Berdoe & Fish are instructed to Sell, at a valuation of stock and fixtures, the two Businesses now carried on at 781 Fulham Road and 207 New King's Road; the returns of each average about £1,000 yearly. Full particulars and orders to view to be obtained from the sole agents, Berdoe & Fish, 35 Jewry Street, Fenchurch Street, E.C.

CO. DURHAM.—Old-established Business, including Dispensing, Agricultural, Photographic, and Dental, with unrestricted Wine Licence; handsome modern shop, mahogany fittings, well stocked; large turnover; good profits; increasing neighbourhood; no other chemist; comfortable roomy house, stable, garden, greenhouse; low rent; lease; exceptional opportunity to acquire genuine business. Apply, Marley House, Haswell.

EDINBURGH.—For immediate Disposal, genuine old-established Retail and Dispensing Business in first-class residential district; gross profits £260 per annum; rent £40; stock and handsome fittings at valuation (about £350). Offers to "Edinburgh" (278/17), Office of this Paper.

KENT.—Small Prescribing Business, within easy reach of London; returns close on £300 per annum; good profits; scope for increase; large population; no near opposition; good opening for Dentistry and Optics; price, valuation of stock and fixtures, about £130. Apply, "Lupuli" (1/34), Office of this Paper.

LIVERPOOL.—Old-established Business; fine position in main street; corner, double windows; house attached, three-storey, with dry cellar; in market position; been conducted some years under qualified management; with personal attention would rapidly increase; only wants seeing; stock and fixtures £200; lease. Bell, Auctioneer, 56 Stanley Road, Liverpool.

LONDON, N.—Branch returning over £700, showing exceptional profits; business in principal's hands can be immediately largely increased; reference given; thorough investigation and trial allowed to genuine cash buyer; price £600 or will consider any fair offer. Apply, "X. Y. Z." (277/37), Office of this Paper. Agents will not be dealt with.

LONDON, S.E.—For valuation of stock and fixtures only; a real sound Business, capable of substantial increase; much neglected owing to ill-health of proprietor; rent £60; making net profit between £200 and £250; a splendid opportunity. Apply, "Glenfeldon," 2 Elsinore Road, Forest Hill, S.E.

LONDON, N.W.—Very profitable Cash Retail and Prescribing Business in densely populated working-class district; returns £9 to £10 weekly; Patents and Poisons nil; good Prescriber would easily do £15; well-fitted shop, well stocked; price £225; fullest investigation conrted; trial if desired. Apply, "Prompt" (2/1), Office of this Paper.

LONDON.—Cash Chemist's Business for immediate Disposal; fine well-fitted corner shop in South Kensington; exceptional opportunity for energetic man; can be thoroughly investigated by genuine purchaser; any fair offer will be considered for quick sale. Apply, W. F. Johnson, Solicitor, 18 Theobald's Road, W.C.

MANCHESTER (Healthy Suburb).—Well-fitted Light Retail and Proprietaries, with Wine Licence; closed all Sunday and Wednesday afternoons; advertiser being in his 76th year the business has been neglected, except where least troublesome and most profitable; receipts about £400 (£80 Wine and Patents); about £400 required; a good opening for a modern man. 277/26, Office of this Paper.

NORTH WALES.—Charming situation; inland; prices good; no opposition; same hands 14 years; must be sold owing to death of proprietor; price about £300. Address, "Executrix," c/o Southall Bros. & Barclay, Ltd., Valuation and Transfer Department, Birmingham.

S.E. SUBURB.—A bargain to an immediate purchaser; old-established Retail and Photographic Cash Business; commanding shop; well stocked and fitted; busy main road; must sell through ill-health; present returns over £600; with up-to-date management and attention would soon double; valuable Proprietaries; stock and fixtures alone worth £300; accept £250; all details in interview. Apply, 280/7, Office of this Paper.

SOUTH OF ENGLAND.—First-class Dispensing and Light Retail Business; held by vendor many years, and now retiring; returns average over £3,000, producing a clear net income of £700 per annum; large handsomely fitted Pharmacy in best position, heavily stocked; price £2,200. Apply, with references, to "Retiring" (1/40), Office of this Paper.

YORKSHIRE (West Riding).—Old-established Prescribing and Agricultural, with plenty of Dental work; good scope; profits about £150; owner retiring; price, valuation stock and fixtures, under £200. Address, "Senex," c/o Southall Bros. & Barclay, Ltd., Valuation and Transfer Department, Birmingham.

YORKSHIRE.—£450.—Genuine Country Mixed Business for Sale immediately owing to ill-health; sure fortune; genuine men only apply. Address, 281/24, Office of this Paper.

CHEMIST'S Business, established over 50 years, may be favourably acquired; 17 miles from London; rapidly growing first-class residential neighbourhood; central position; close by post-office; excellent opportunity for pushing man; modern house and garden; price £250; satisfactory reasons for disposal; Dental practice if desired. "Z." (280/8), Office of this Paper.

FOR Sale, Dispensing and Retail Business in Edinburgh; good opening for Photography; splendid chance for one with a little capital; no agents need apply. 280/19, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

GENUINE old-established Light Retail Business; an hour's journey from London; returns over £800; excellent profits; scope to do £1,200; good house and garden; price £535; must be sold immediately. Apply, "Leo" (274/20), Office of this Paper.

HEALTH Resort, county town and yachting station, West Coast; high-class old-established Dispensing, Optical, and Retail Business; excellent and annually increasing connection; only one opposition in town (unqualified) and for a distance of several miles; owner leaving country; low price to dispose before summer season; good premises; low rent. "Alpha" (276/38), Office of this Paper.

PROSPEROUS and increasing Light Cash Retail, a few miles north of London, doing £18 to £19 a week at good profits; rent £40, on lease; well fitted; comfortable house, with bath, etc.; advertiser, wishing to be free in May, will accept £500; good reason for disposal; every investigation and trial allowed. 278/22, Office of this Paper.

RETURNS £500 (about).—In important town in the Midlands; commanding position in main street; Light Retail and Dispensing Business, with Photographic; several valuable Proprietaries; good profits; cause of sale, ill-health; price £350, or valuation of stock and fixtures; immediate possession. "Phenacetin" (280/26), Office of this Paper.

S.E.—A smart little Business close to London in main road thoroughfare of thickly populated district to be Sold, immediately through ill-health; takings about £8; now neglected; easily doubled; first offer of £80 or near will be accepted. Apply, Puttick & Wellington, 270 Lavender Hill, Clapham Junction, S.W.

SOUND Country Mixed Business; within 30 miles of London; good Family trade; no opposition; residential; golf-links; convenient house; low rent; nice garden, with fruit trees, side entrance; returns £430; price £200, about valuation; particulars to bona fide purchasers. "Radium" (278/26), Office of this Paper.

£75, or nearest offer, to immediate buyer.—Small Business for Sale; London, N.W.; Prescribing, Patents almost nil; good opening for Photography, Dentistry, and Optics; suit beginner, qualified or unqualified; plenty of scope for increase; trams pass door. "Bargain" (279/3), Office of this Paper.

£130; London, N.; a genuine old-established Business; well stocked; returns over £300, increasing weekly; no opposition; profits average over 50 per cent.; under qualified management offers splendid prospects; will bear investigation. Apply, "Owner," 35 Bridge Road, Hammersmith, W.

£175 (about valuation of stock and fixtures) will Purchase a Retail Business in Hants; rent £26, under agreement from March 25th last for 2 years; in same hands more than 8 years. Apply to H. W. Brake, Esq., Lynchford House, Farnborough, Hants.

£350, or near offer, and part can remain; genuine bargain; a modern-fitted Drug-stores; fitting of shop cost £250; immense stock; rent £40, on lease; large house; weekly takings average £13; no opposition; great scope for increase; suit smart man; a trial allowed. Apply, "E. M.," 3 Amity Road, Portway, West Ham, E.

£420.—Sound bargain; Business doing nearly £600, and could be doubled with a little energy; exceptional reasons for leaving; easy hours; unopposed; honestly the chance of a lifetime. Please give references in first reply to "Traveller" (280/16), Office of this Paper.

£850.—Investors with this at command will find worth attention a unique, good-class Retail and Dispensing Business, producing a net profit of £334 after paying all expenses, and capable of further increase, in popular South Coast health resort; satisfactory reason for disposal; references required. 280/38, Office of this Paper.

PARTNERSHIPS.

PARTNERSHIP required by unqualified but thoroughly experienced in all branches, as well as being a skilful Extractor and having other Dental knowledge; advertiser can give the best of references, and same required; shortly disengaged. Send full particulars, in confidence, to "Cetaceum," Wagon Hill, Ladysmith Road, Brighton.

PARTNERSHIP.—Wanted, within the next six months, by young qualified Pharmacist (31), Partnership in sound, prosperous business situated in large town; London preferred; must bear strictest investigation; capital at disposal between £300 and £400, with securities for additional sum if necessary. Full particulars to "Euthymol" (269/29), Office of this Paper.

Pharmaceutical Council Election

TO THE MEMBERS OF THE PHARMACEUTICAL SOCIETY

Ladies & Gentlemen,

Having been nominated as a candidate for the forthcoming Council Election, I have yielded to the pressure which has been brought to bear on me by prominent pharmacists throughout the country who have offered practical support, and have agreed to stand as a candidate for the vacancy on the Council.

POISONS AND PHARMACY ACT.

As a practical every-day pharmacist, with my living to make behind the counter, I am very keenly interested in pharmaceutical reform, and especially in the new Poisons and Pharmacy Act. The whole question, which is of vital importance to us as business men, depends on the administration of the Act by the Council of the Society. This Act does not necessarily bring in its train very many special advantages to individual Pharmacists, but I firmly believe that a great deal can be extracted out of its provisions by the prompt action of the Council of the Society in working it to its utmost limits so as to secure the maximum advantage for those who, as private Pharmacists, practise the calling of pharmacy under present-day conditions.

Certainly no time should be lost in taking the necessary steps to secure the utmost benefits therefrom in the interests of personal Pharmacists, as opposed to corporate trading concerns of all kinds.

POISON LICENCES.

I hold the opinion that the Council should support, in every practical way, the taking of such steps as may be necessary to prevent, as far as is legally possible, the granting of poison licences in local areas in direct business opposition to practising pharmacists.

TITLE.

With regard to the title "Pharmacist," I am in favour of the Council taking prompt measures to place the absolute exclusiveness of its use beyond all possibility of doubt, and by securing the restriction of the word "Pharmacy" to an establishment owned and controlled by a personal private pharmacist; thus to make the new title as valuable as possible to its legal possessors.

I am a strong believer in the whole local Association movement, and as President of the Thames Valley District Chemists' Association, I have taken a somewhat prominent part in this work.

If elected I would urge upon the Society's Council the desirability of placing the various local Associations upon their proper level in the organisation work of the Pharmaceutical Society.

ORGANISATION.

I am also a firm believer in organisation, especially as applied to the pharmaceutical calling, and should favour any special scheme of reform in that direction, and would also be prepared to help in the formation of some such scheme, with the object of effectively linking up the whole of the members of the Pharmaceutical Society. As a practical pharmacist myself, if elected to the Council, I should devote my energies to doing all I could for the individual pharmacists in business throughout the country; to safeguard their interests, to promote their welfare, and to improve, in every possible way, the conditions under which we all practise our every-day calling.

I firmly believe that a good deal could be done in this direction by the representation on the Society's Council of the younger generation of practical retail pharmacists, who are fully alive to the several disadvantageous conditions under which the pharmacist in actual business suffers at the present time.

In the past I have devoted as much of my time as was possible to the cause of pharmacy. I have not sought the honour which those who have nominated me have conferred on me, but I am conversant with the needs of both Town and Country Pharmacists, and it will be a pleasure to me in the future, as in the past, to do whatever lies within my powers to promote the true interests of pharmacy.

May I solicit your votes and active support on my behalf?

Your obedient servant,

E. T. NEATHERCOAT.

TO LET.

HARROGATE.—Lock-up Shop and spacious Cellarage to Let shortly; central; busiest thoroughfare; capital opening for Chemist. Procter, 6 Oxford Street, Harrogate.

HIGH STREET, Harlesden.—Modern Shop to be Let, in the best position, with excellent living-rooms and back entrance; a first-rate opening for a Chemist and Druggist, in an established centre; rent £110 per annum, with a period free, or the shop might be fitted. Apply to Messrs. H. E. Foster & Cranfield, Surveyors, 6 Poultry, E.C.

TO be Let, for Showrooms, Workshops, Warehouses, etc., two magnificent Floors, containing 9,300 square ft. and 3,600 square ft. respectively, in Alfred Place and Chenies Street, Tottenham Court Road, W.C.; fireproof construction; built for heavy weights; well lighted; lift. Also vacant Site adjoining; about 9,000 square ft.; on 99 years' building lease. Apply, A. J. Caley & Son, Ltd., Chenies Street, London, W.C.

TO LET.—The Business premises known as The Dispensary, Kingussie, with entry at Whitsunday next; a first-class business has been conducted therein for upwards of a quarter of a century, and the present is a favourable opening to one who can combine Dentistry with Dispensing. Apply, John Campbell, Town Clerk, Kingussie.

SALES BY AUCTION.

180 TOWER BRIDGE ROAD, LONDON, S.E.

MR. JOHN SULLEY will offer for SALE by AUCTION, on the PREMISES, as above, on TUESDAY NEXT, April 20, at 2 o'clock prompt, the excellent new and substantially built LEASEHOLD MANUFACTURING PREMISES, as above, consisting of three floors, having a total floor area of about 3,114 sq. feet, suitable for any business requiring well lighted and strong premises, together with the surplus PLANT, MACHINERY, etc., Crossley Gas-engine, Vacuum Pump, Sterilising Plant, Box-making Machines, and the Stock of Chemists' Sundries, consisting of 200 gross Tooth-powders, 45 doz. Enemas, 60 doz. Hair and Tooth Brushes, 12 doz. Shaving Sets, 6 Pill-machines, Bottles, Perfumery, Cameras, Rubber Teats, etc.

Premises may be viewed by order of the Auctioneer. Machinery and stock on view morning of sale.

Particulars and conditions of sale, with catalogues, of Messrs. Henry Thompson & Sons, Solicitors, Grantham, and of the Auctioneer, at his Offices, 46 Cannon Street, London, E.C.

FOR SALE.

FOR Sale, Fittings of small Branch: Glass-fronted Counter, Drawers, Shelves, Lockers, Shop-rounds, Ointment-jars, Carboys, Window-shelves, etc. Apply, "Chemist," Thaxted.

£40 will purchase Stock and Fixtures of Chemist's Business in a thickly populated district, East-end London; splendid opportunity for man with small capital. 277/40, Office of this Paper.

BUSINESSES WANTED.

WANTED, a Business; shop must be in a good position. Full particulars to "T. B." (277/11), Office of this Paper.

WANTED, a good Retail Business where £800 to £1,200 may be invested; Midlands or Southern Counties preferred. Address, 279/5, Office of this Paper.

WANTED, in Southern, Midland, Eastern, and Northern Counties, Businesses returning from £800 to £3,000; Messrs. Berdoe & Fish have cash buyers waiting to secure genuine concerns; intending vendors should communicate with the above firm at their Transfer Valuation Offices, 35 Jewry Street, Fenchurch Street, E.C. Established 1870.

AGENCIES.

AGENT wanted for a French leading firm, manufacturers of Fine Chemicals and Alkaloids, Raw Materials for Perfumery. Offers to "France" (273/34), Office of this Paper.

GENTLEMAN, having offices in City, desires to correspond with Manufacturers who wish to be represented; excellent references; 20 years' Drug trade. Apply, 1/29, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

RETAIL.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BAKEWELL.—Qualified Assistant wanted; no Sunday duty; close 2 o'clock Thursdays. State salary required (outdoors), age, and references, to E. G. Carrington, Chemist, Bakewell.

BANBURY.—Qualified Assistant for high-class Dispensing and Retail business; outdoors; no Sunday duty; hours 8.30 to 7.30, alternate Tuesdays 2 P.M., Saturdays 9.30. State age, height, salary, etc., A. & G. Fox, Chemists, Banbury.

BOGNOR.—Wanted, a smart qualified Assistant; aged about 24; must be well up in Dispensing and Photography; outdoors. Kindly give full particulars and enclose photo in first letter to Arthur Miller, Chemist, Bognor.

BRIGHTON.—Qualified Assistant (indoors), about 24 years of age, in high-class Dispensing business, for May 12. Apply, with particulars, to W. H. Gibson, 122 King's Road, Brighton.

BRIGHTON.—Qualified Assistant wanted for high-class Retail and Dispensing business; indoors. State usual particulars, S. J. Weston & Co., Church Road, Hove.

BRIGHTON.—Qualified Manager in working-class district; knowledge in Manufacturing Galenicals; outdoors. Savage & Co., Pharmaceutical Chemists, Brighton.

BRISTOL.—Junior Assistant wanted (outdoors) for Dispensing and Photographic business; half-holiday weekly. Apply, stating age, height, salary required, experience, also references, photo if possible, to F. Moss, 206 Redland Road, Bristol.

BRISTOL.—Qualified Assistant for relief work at branches; energetic; experienced; accustomed brisk Retail; satisfactory references required; outdoors; no Sunday duty. State age, height, salary, references, enclose photo, Managing Director, 5 Nelson Street, Bristol.

CHELTENHAM.—Nathl. Smith & Co. require a qualified Dispensing Assistant; indoors; principal non-resident. Apply, with full particulars, Mansbridge, 373 High Street.

CHESTER.—Qualified Manager for branch; permanency. Apply, stating age, experience, references, with photo, to Thos. Carter, Pharmaceutical Chemist, Boughton, Chester.

CORNWALL.—Wanted, qualified Manager for country branch; energetic, smart, and reliable; Extractor and Photographic preferred; exceedingly light duties; a permanency. Send photo, salary required, and full particulars to C. E. Underhill & Co., Ltd., Forp Street, Callington, Cornwall.

CROYDON.—Qualified Chemist wanted; first-class references. Apply, stating full particulars, salary, and experience, to 77 High Street, Croydon.

DORKING.—Qualified Assistant; must have been used to good-class Family business; hours 8.30 to 8.30, one week off at 2, next at 5. Send, please, usual particulars with photo and salary required to F. W. Doubleday, Dorking.

SITUATIONS OPEN *(continued).*

EAST DULWICH PROVIDENT DISPENSARY.—Wanted, Lady Dispenser as Assistant; attendance required about 6 hours daily; salary £48 per annum. Apply, by letter only, stating qualification and experience, and giving references, Hon. Secretary, 125 Thurlow Park Road, Dulwich, S.E.

HARROGATE.—Assistant wanted, early in May (outdoors), accustomed to good-class Retail and Dispensing business. Apply, with full particulars as to age, height, experience, references, and salary required, with photo if possible (to be returned), to A. Atkinson, Pharmaceutical Chemist, 2 Parliament Street, Harrogate.

HARWICH.—Junior Assistant, outdoors, for Light Retail, Dispensing, and Photography; early in May. Apply, stating experience, salary, and give reference, Woodward, Chemist, Harwich.

KNUTSFORD.—Wanted, at once, good Junior; time and opportunity for study. Apply for particulars, Silvester, Pharmaceutical Chemist, Knutsford.

LANCASHIRE.—Large firm require a good qualified Assistant for working-class business; lucrative permanency offered to a smart man not afraid of work. 15/2, Office of this Paper.

LEICESTER.—Qualified Assistant for Store trade; short hours. State age, salary required, and full particulars to "Leicester" (280/34), Office of this Paper.

LIVERPOOL (District).—Wanted, a part-time Assistant for first-class Dispensing and Photographic business; would suit a Minor student, who could attend Liverpool School of Pharmacy; five or six half-days weekly could be arranged for study; must be of good character and address. Apply, "M.P.S." (261/12), Office of this Paper.

LIVERPOOL.—Manager; qualified; comfortable place for middle-aged or elderly man; weekly half-holiday. Give references and state salary required, Caley, 453 Stanley Road, Liverpool.

LIVERPOOL.—Wanted, qualified Assistant, age 21 to 24, used to a good-class Dispensing Business; indoors, with principal. Apply, with usual particulars, to Harold Wyatt, Pharmaceutical Chemist, 223 Stanley Road, Bootle, Liverpool.

LIVERPOOL.—Qualified Manager wanted at once; energetic, smart, and trustworthy; permanency; good references required. Age and all particulars to T. Burnett, 116 West Derby Road, Liverpool.

LIVERPOOL.—Wanted, a qualified Assistant (single) to manage Branch; sleep and breakfast out and board out Sundays; dinner and tea provided weekdays. State particulars, salary required, etc., A. Shaw, 43 Green Lane, Stoneycroft, Liverpool.

LONDON, E.—Wanted, qualified Manager for Family trade; reliable; salary £2, with house. Address, "Chemist," 16 Paternoster Row, Cheapside.

LONDON, N.—Wanted, at once, a qualified Manager; outdoors. Apply, with two references and salary required, 277/30, Office of this Paper.

LONDON (18 miles from).—Wanted, immediately, young qualified Assistant capable of taking charge; good knowledge of Photography essential; permanency to suitable man; comfortable and easy indoor berth. State fullest particulars, salary required (personal interview preferred), enclose photo, to E. P. Guest, Ltd., 129 and 31 High Street, Brentwood, Essex.

LONDON, S.W.—Required, Dispenser; aged about 25; Minor qualification; hours of work, approximately, 8.45 to 6 P.M., Saturdays till 2 P.M.; salary 45s. per week (outdoors); no Sunday duty; 14 days' annual vacation. Address, stating full particulars, 906 Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Part-time Assistant; mornings and evenings; aged about 20 years; indoors; photo. Apply, "S. S.," 436 High Road, Streatham, S.W.

LONDON, S.W.—Qualified Assistant, accustomed to West-end trade, wanted at once. Apply, Heppell, 35 Haymarket, S.W.

LONDON, N.W.—Qualified Manager for branch in good working-class neighbourhood; furnished or unfurnished rooms on the premises. Apply, personally if convenient, or by letter, enclosing photo and usual particulars, to Charles W. Brumwell, Pharmaceutical Chemist, 72 Euston Square, N.W.

LONDON, E.—Wanted, at once, a smart, young, qualified Manager, with good references; salary 50s. week (outdoors). Also a middle-aged, qualified Assistant; salary 45s. week. Apply to Ballard, 393 Commercial Road East, London.

LONDON, S.E.—Wanted, immediately, Part-time Assistant for good-class Dispensing and Retail business; 22-28 years; good references required; two or three evenings per week and alternate Sundays. Apply, stating time at disposal and salary required, to "Veronal" (281/8), Office of this Paper.

LONDON, N.W.—Junior Assistant; must be good Dispenser and accustomed to high-class Retail; indoors; good salary. Walton & Curtis, 190 Broadhurst Gardens, W. Hampstead, London, N.W.

LONDON, N.—Junior Assistant wanted in good-class Dispensing and Light Retail business; one with knowledge of Photography preferred. Please give full particulars of experience, age, height, and salary required (indoors), and enclose photo (to be returned), to Green, Chemist, Highgate, N.

LONDON, S.W.—Wanted, Junior Assistant with good Dispensing experience, and preferably with knowledge of Photography. Apply to H. Pickett, 19 King's Road, Sloane Square, S.W.

LONDON, W.—Qualified Manager for an old-established business; plenty of scope for a smart man; unfurnished house and half net profits (average profit about £300) as remuneration. By letter, E. F. Strickland, 28 Broadway, Ealing, W.

LONDON, S.E.—Wanted, immediately, qualified Assistant for brisk suburban Dispensing business; indoors. Apply, Mellin & Co., Eltham, London, S.E.

LONDON, S.W.—Qualified Assistant for a quick Cash business in S.W. district; one afternoon and evening from 2 P.M.; no Sunday duty; salary 45s. weekly. Apply, "Chemist," 387 North End Road, Fulham, S.W.

LONDON, N.W.—Part-time Assistant; comfortable home; board in; sleeping room out; moderate salary and time for study offered to gentlemanly man about 24; one accustomed to brisk Retail preferred. W. C. Tucker, P.O., Queen's Crescent, N.W.

LONDON, W.—Wanted, Assistant (indoors) for Dispensing business; time off if required for study; must be experienced. Harold Lyon, 18 Formosa Street, Warrington Crescent, W.

LONDON (WEST-END).—Immediately, competent temporary Assistant for one month; high-class Dispensing business; short hours; outdoors; would suit part-time man. Letters only, with particulars as to salary, etc., to "Pharmacist," 127 Cambridge Street, Warwick Square, S.W.

LONDON SUBURB (12 miles from Waterloo).—Unqualified Assistant; outdoors; good Counterman; Dispensing and Photographic experience essential; high-class business conducted on modern lines; short hours; half-day weekly; personal applications only entertained. Windemer, Chemist, Surbiton.

LONDON, W.—Wanted, qualified Assistant (indoors) with high-class Dispensing experience. J. Munro & Co., Ltd., 273 Regent Street, W.

LONDON, E.—Qualified Manager wanted for Branch; must furnish first-class references and have had experience in Store trading; married or single, to live on premises; salary and commission. 2/5, Office of this Paper.

LONDON, W.—Smart, young, qualified Assistant required. Also elderly qualified gentleman; outdoors; Store experience, Dispensing, Photography; must be sober and a willing worker; easy hours. Apply, personally if possible, or give full particulars, to William E. Morton, Chemist, 156 Portland Road, South Norwood, S.E.

LONDON, S.W.—Immediate; wanted, a qualified indoor Junior Assistant with good Dispensing experience. Apply, with full particulars, photo, and salary required, to J. B. Barnes & Son, 225 and 227 Knightsbridge, London, S.W.

LONDON, E.—Qualified Assistant; outdoors; one day off weekly; Sundays 6.30 P.M. to 9.30 P.M.; permanency to suitable man; full particulars and salary expected, etc. Apply personally, if possible by appointment, Lacy, Aldgate Drug Stores, 116 High Street, E.

LONDON, S.E.—Wanted, a qualified Assistant for a Prescribing business. Apply, with full particulars as to salary, etc., to D. U. Still, 9 The Village, Old Charlton, S.E.

MAIDSTONE.—Qualified Assistant; married or single; indoors or outdoors; if married house provided. Send fullest particulars as to age, height, references, photo, and salary, stating when disengaged, Stonham & Son, Maidstone.

MANCHESTER.—Wanted, about end of April, young qualified Assistant to take entire charge of a Light Retail and Prescribing business, with Photography; weekly half-holiday. Please send full particulars in first letter, salary required (outdoors), photo (to be returned). Preference given to one who can Extract. "Pynol" (279/13), Office of this Paper.

MANCHESTER.—Wanted, qualified Manager for Branch; middle-class cash business; house and gas free; half-day off weekly, alternate Sunday night duty 6 to 7.30. Send full particulars, age, salary required, etc., to Lockwoods, Ltd., Chemists, Harpurhey, Manchester.

MANCHESTER District.—Qualified Assistant (outdoors), age not under 24 years, required as Branch Manager; must be energetic and a capable Counterman, with Dispensing and Photographic experience. Address, stating when at liberty, age, height, references, salary, etc., and enclosing photo (to be returned), to T. Woodruff, Pharmacist, West Didsbury, Manchester.

MANCHESTER.—Unqualified Assistant for working-class neighbourhood. State age and wages to Jones, 102 Cross Lane, Salford, Manchester.

MARLOW.—Junior or unqualified Assistant wanted in a good-class Retail, Dispensing, and Photo business; outdoors. Applicants please state age, experience, salary required, with photo, Snow, 33 High Street, Marlow.

NEW BRIGHTON.—Junior or Part-time Assistant; must have had first-class experience and good knowledge of Photography. Send photo (will return), state age, height, salary required (outdoors), Peirson, Pharmacist, New Brighton.

NEWPORT (Mon.).—Tactful and able Salesman for business consisting entirely of own Proprietary Medicines, etc.; able to keep the shop smart and put up stock; salary 30s. (outdoors); half-holiday. State experience and enclose photo, Lewis, Medical Hall, Newport, Mon.

NORTH DEVON.—Junior; indoors; good knowledge of Photography. W. J. Shepperd, Pharmacist, Barnstaple.

OLDHAM.—Wanted, qualified Assistant; outdoors; state age, height, experience, references, and salary required, with photo. Address, 274/9, Office of this Paper.

RAMSGATE.—From May 10 to 29, unqualified Locum; live in; capable of taking entire charge. Particulars to Sanderson, Chemist and Optician, 25 Queen Street, Ramsgate.

SOUTHEND-on-Sea.—Qualified Managing Assistant; permanency; married preferred; large quick business; reasonable hours; salary £3 per week and 2½ per cent. commission on net profits declared by professional valuer annually; interview necessary, by appointment. E. A. Holloway, Southend-on-Sea.

SOUTH OF ENGLAND.—Smart, gentlemanly, qualified Assistant required; aged 23 to 30; good salary and permanency for suitable man; must possess exemplary character for honesty, sobriety, and ability as a Salesman. Timothy White Co., Ltd., Portsmouth.

STAMFORD.—Wanted, for May 1st, smart gentlemanly Junior for good-class Country business; indoors; comfortable home; private sitting room; time for study. Apply, stating full particulars and salary, also photo if convenient, Ennals, Pharmacist, Stamford, Lincs.

SURREY.—Smart, unqualified Assistant; must have best references and well up in every branch of business; Photographic and Prescribing; outdoors; state when disengaged, state salary required, age, etc.; Junior not objected to. 279/7, Office of this Paper.

STRAITS SETTLEMENTS.—Qualified Junior Assistant; about 23; first-class experience indispensable; 3 years' engagement; passage paid out and home; improving salary. Apply, Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate Street, E.C.

TORQUAY. — Qualified Assistant for Dispensing business; competent to take charge; outdoors; married preferred. Applicants please give full particulars of experience, state age and height, and, if possible, enclose photo, Fredk. March, 90 Belgrave Road, Torquay.

TUNBRIDGE WELLS.—Qualified Assistant for high-class Dispensing business; 2 kept. State usual particulars, including salary required (indoors), to Howard & Son, Pharmacists, Tunbridge Wells.

WESTON-SUPER-MARE.—Wanted, May 2, Assistant (indoors) for good-class Dispensing and Retail business; half-holiday weekly. Apply, with full particulars, Blackmore, Weston-super-Mare.

WOKING.—Wanted, for a high-class Retail and Dispensing business, a Senior Assistant; qualified; age 26 to 30; of gentlemanly appearance; must be good Dispenser and Counterman; able to take charge in absence of principal; personal interview preferred. Apply, with full particulars, salary required (outdoors), to Littleboy, Chemist, Woking.

AN Assistant wanted at once; qualified to manage branch, Light Retail, Photography, etc.; highest references required, also photo; to live indoors with married assistant (no family). Apply, Godfrey C. Wood, Pontypool, Mon.

ASSISTANT; qualified, with good experience. State age and salary required to 14/61, Office of this Paper.

C. HANSON, Pharmaceutical Chemist, Cressington, Liverpool, requires Part-time Junior or Assistant; the situation is suitable for one requiring time for reading or attending classes in Liverpool; time off equivalent to two days per week can be arranged. State age, height, and experience. An Apprentice also required.

EVENING work, London, S.W.; a Pharmacist whose business is in position easy of access wants help 3 or 4 evenings a week between 7 and 10 P.M.; Stock or Dispensing. "Amicus" (2/10), Office of this Paper.

JUNIOR (qualified) Assistant, Welsh speaking preferred, is wanted for a Retail business in a seaside town; knowledge of Photographic business essential. Applications, stating age, experience, reference, and salary required (indoors), Bowen, Chemist, Criccieth, North Wales.

LEWIS & BURROWS have vacancies for first-class qualified and also unqualified Assistants. If application is made by letter kindly enclose photograph and full particulars to 146 Holborn Bars, E.C.

LOCUM wanted for a fortnight. Please state terms (indoors and out), age, references, when disengaged, and whether qualified. "Rhei" (279/17), Office of this Paper.

MANAGER, qualified, elderly, for quiet Branch in country town near Birmingham; one used to a mixed-class trade; references must bear strictest investigation. Write at once to 279/23, Office of this Paper.

PARKE'S DRUG-STORES, LTD., require qualified Branch Manager at once; must be enterprising and energetic, and references must bear the strictest investigation. Apply to Managing Director, 65 Harmood Street, N.W.

QUALIFIED Assistant; branch, 6 miles from Cardiff; indoors; Welsh preferred; age about 26; good appearance and address. Full particulars first letter, with photo if possible, Bellamy, Cardiff Road, Taffswell.

QUALIFIED Assistant, not more than 30 years of age, required in a City establishment; hours 9 to 6.30, Saturdays 2.30; no Sunday or night duty; salary 45s. per week. Apply, by letter, with particulars of age and experience, to "M.P.S.," c/o Street's, 30 Cornhill, E.C.

QUALIFIED Senior Assistant, married preferred, accustomed to good-class business, for vacancy on South Coast. Apply, giving full particulars of qualifications, age, experience, and salary required, to "Pharmacal," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C.

QUALIFIED Manager wanted for Branch, London, N.; married; age about 27; must be smart Salesman and Prescriber. Apply, with full particulars and photo, to W. A. McCarthy, Chemist, Grays, Essex.

REGISTERED man; part or whole time; moderate terms; sobriety and integrity essential. Apply by letter, J. Nicholas, Exor., 33 Ladbroke Road, London, W.

REQUIRED, Dispenser (Male), fully qualified and reliable, to live out; salary £115, rising to £120, per annum. Apply, stating age, full particulars, with three recent testimonials and references, Secretary, Friendly Societies Medical Institute, Norwich, by Thursday, April 22nd latest.

TAYLORS' DRUG CO., LTD., have a few vacancies for qualified Chemists; no Sunday duty. Kindly send full particulars respecting experience, age, and salary required, and also send recent photo, to the Superintendent, Taylors' Drug Co., Ltd., P.O. Box 141, Leeds.

THE METROPOLITAN EAR, NOSE, AND THROAT HOSPITAL, Grafton Street, Fitzroy Square, W.—Wanted, Lady Dispenser as Assistant; Hall qualification; hours 2.30 P.M. daily and on Monday, Wednesday, and Friday evenings at 6 P.M. till all patients have been attended to. Apply by letter to undersigned, John Mackinna, Secretary.

WANTED, qualified Assistant for a Mixed Family Retail business in a Midland town. Apply, stating age, height, experience, when at liberty, and salary required, to "Statim" (279/2), Office of this Paper.

WANTED, Two smart young unqualified Juniors; one to work up small neglected branch, other to Dress Windows for 3 or 4 shops and do relief work. Apply, with photo, full particulars, salary, etc., "S.," o/o Brook, Parker & Co., Ltd., Garnett Street, Bradford, Yorks.

WANTED, gentlemanly Dispenser for high-class Business in the West-end; very comfortable permanency offered to a neat, quick, and accurate worker. Give fullest particulars in first letter. 10/5, Office of this Paper.

SITUATIONS OPEN *(continued.)*

WANTED, Junior unqualified Assistant (outdoors), age about 21, for good-class City business; short hours; no Sunday duty. Apply, 279/27, Office of this Paper.

WANTED, unqualified Assistant; age about 28 or 30; one who has had charge of branch and possesses some knowledge of Horse and Cattle Medicines preferred. State age, whether married, and salary required to 10/05, Office of this Paper.

WANTED, qualified Junior; abstainer; good Counterman; capable of taking charge of branch; energetic and enterprising; progressive salary. Full particulars, salary, photo, etc., to 1/9, Office of this Paper.

£2/10 per week, with large, commodious house and gas, for a good qualified Manager, used to Store methods of business; character must bear strictest investigation. Apply, giving full particulars, to "London" (276/7), Office of this Paper.

£120 per annum, with rooms, light, etc.; qualified Manager wanted for Branch in London suburb; weekly half-holiday; no Sunday duty. 280/40, Office of this Paper.

WHOLESALE.

ANALYTICAL Chemist, by London Wholesale Druggists; thoroughly competent in assaying Drugs, taking Spirit Strengths, and Standardising Pharmaceutical Prescriptions, etc.; preference given to one with some knowledge of General Laboratory work. Apply, with full particulars, to 15/2, Office of this Paper.

MANCHESTER.—Drug Traveller (resident) wanted for Manchester district; experience and connection absolutely necessary. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

CHEMIST.—Wholesale firm requires progressive young Chemist in Advertising department; previous experience not necessary. Full particulars and state salary, in confidence, to "Dial" (12/39), Office of this Paper.

JUNIOR Assistant required for Wet-room Counter by London Wholesale house. Apply, stating full particulars, 1/31, Office of this Paper.

JUNIOR Clerk with experience. "B. D. H.," 6 Giltspur Street, E.C.

LADY Clerk wanted for bookkeeping, correspondence, and ordinary routine work; some knowledge of Pharmacy and German desirable. Apply, by letter, to Schacht, Warner & Co., 55 Fore Street, E.C.

PACKER (aged 25-30) required by London Export Druggists; must be thoroughly experienced in the trade, steady, capable, and with good record; permanency for suitable man. Write, full particulars of previous situations and wages expected, to 1/24, Office of this Paper.

REPRESENTATIVES for Scotland, Lancashire, and London required by old-established Wholesale house; must have live connection and possess a thorough knowledge of Counter Specialities. "Pharmacy" (14/55), Office of this Paper.

TRAVELLERS wanted for South of England, Eastern Counties, and Resident Agent in Birmingham to sell a well-introduced article on commission only; first-class men need only apply. "Permanent" (278/6), Office of this Paper.

TRAVELLERS already calling on Chemists are offered a profitable Agency. Address, The Physicians Tea Co., 52 Cannon Street, E.C.

TRAVELLERS on Commission.—Manufacturers of easily sold high-class Surgical novelty wish to arrange Representation on liberal commission basis with gentlemen already calling on Doctors and Chemists in the United Kingdom; exclusive territory and smart advertising support given; state lines carried and ground covered. 278/36, Office of this Paper.

TRAVELLER, with good connection and references, required to carry high-class Eau de Cologne and Perfumery as a Side-line in Scotland; liberal commission only. Reply, giving full particulars, to "Perfumery" (1/26), Office of this Paper.

TRAVELLER for the Far East, about 35; a gentleman of good address and able to furnish undeniable evidence of successful and high-class work as a Representative in the Wholesale Drug-trade, extending over some years; none others entertained; excellent opening with progressive interest for a well-qualified man. Apply, 6/74, Office of this Paper.

SITUATIONS WANTED.

1s. *for* **12** *words or less;* **6d.** *for every* **10** *words beyond, prepaid.*

RETAIL.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

LOCUM, unqualified, until May 19th, or part-time. "Radix," 13 Atherfold Road, S.W.

LOCUM; June, July, August; Scotland. Robb, c/o MacGregor, 23 Huntly Street, Aberdeen.

PHARMACEUTICAL Student; 17; knowledge of Dispensing, etc. Beno, 82 Hanbury Street, E.

IMPROVER; 20; tall; good Counterman; willing worker. Rummer, Hitchman, Kettering.

JUNIOR; 21; reference; Lancashire preferred. Apply, H. Mason, 280 Lever Street, Bolton, Lancs.

PART-TIME; unqualified; excellent Dispensing experience. Walton, 28A Albert Bridge Road, S.W.

MANAGER; qualified; 30; good references; 5 ft. 6 in.; single. "Radix," 148 Fawcett Road, Southsea.

JUNIOR; 20; high-class Dispensing experience; London; excellent references. Ison, 16 Wedmore Gardens, N.

ASSISTANT; 35; experienced Dispenser and Bookkeeper; excellent testimonials. Owen, 26 Barnfield Road, Ealing.

QUALIFIED (23) requires situation as Dispenser in London. Apply, A. R. Hewish, 6 Barnby Street, Euston, N.W.

JUNIOR; 21; tall; good Dispensing experience; disengaged. "G. E.," 2 Cliff Terrace, Liverton Mines, Loftus (Yorks).

DISENGAGED; Locum; permanency; 33; unqualified; good Salesman. "Extractor," 54 Darnell Street, Newcastle-on-Tyne.

QUALIFIED; Manager, Senior, or Locum; 30; married; 17 years' experience. "H. P.," 3 Crown Villas, Avenue Road, Acton, W.

JUNIOR; 22; tall; good appearance; excellent reference; disengaged. "Statim," Trensale House, Polesworth, near Tamworth.

LOCUM; experienced; Photography; manage; unqualified; 24; disengaged May 3rd. "Locum," c/o Powley, Chemist, Masham, Yorkshire.

ASSISTANT; evenings free for study; 21; good experience and references; disengaged May 1st. "London," 1 King's College Road, N.W.

QUALIFIED Locum; reliable and competent; exceptional experience; highly recommended. "Aspirin," 33 Foskett Road, Fulham, S.W.

JUNIOR (22) seeks situation where Senior is kept; good Dispenser Galenicals; outdoors preferred. "Junior," 23 Kenilworth Road, Ealing, W.

PHARMACIST (young), energetic, abstainer, desires good experience in brisk Counter trade; would take small salary. Address, 273/35, Office of this Paper.

WORKER; qualified Junior; 23; Dispensing, practical Photographer. Counter; 8 years' all-round experience; disengaged. Dain, c/o Galloway, Chemist, Crewe.

ASSISTANT; 23; unqualified; disengaged April 30; Dispensing and Photography; excellent references; London preferred but not essential. 274/3, Office of this Paper.

UNQUALIFIED Junior; 22; seaside preferred. Dunne, 327 Anlaby Road, Hull.

LOCUM; disengaged; open for future dates. Whitehouse, 2 Gill Street, Nottingham.

UNQUALIFIED; 25; tall; good experience; outdoors. "S.," 97 Folkestone Road, Dover.

DISPENSER; experienced; disengaged; good references. Taylor, 145 High Street, West Norwood.

QUALIFIED; permanency or Locum; disengaged April 19. "Metol," 781 Fulham Road, S.W.

WEEK-ENDS Relief; Sunday and Monday twice a month; good references. 1/13, Office of this Paper.

JUNIOR requires Half-time situation; Birmingham preferred. Cheesman, Newhall Street, Sutton Coldfield.

QUALIFIED; 24½; abstainer; experienced; best references; outdoors. Dunning, Ketley, Wellington, Salop.

LOCUM has a week at liberty from April 23; highest recommendation. "F. F.," 43 Lowell Street, Worcester.

UNQUALIFIED Assistant; permanency required; outdoors. Williams, 55 Duke of York Street, Wakefield.

EVENING employment required; 24; good experience; references. "Statim," 141 St. George's Road, Southwark.

DISPENSER requires berth; highest references; experienced; aged 34. "B. C.," 503 Southwark Park Road, S.E.

QUALIFIED; 25; first-class experience, Dispensing, etc.; open to engagement month hence. "K.," 273 Fulham Road, S.W.

MANCHESTER District.—Employment wanted by Student desirous of attending classes. "Unqualified," 5 Park Street, Walsall.

LOCUM or temporary Manager; qualified; highest references; reasonable terms; Photographic. "A.," Clydebank, Parkstone Avenue, Parkstone.

JUNIOR (18), 5 ft. 8 in., 4 years' experience, seeks re-engagement immediately; indoors; town preferred. H. Webster, Forest View, East Kirkby, Notts.

SOUTH COAST experience and preferred; 5 years present berth; age 36; tall; all-round experience; Photography. "Energetic" (277/12), Office of this Paper.

ASSISTANT; 26; high-class Dispensing experience; good references; Locum or Part-time; disengaged shortly; 4 years present berth. Quayle, 54 Alderley Road, Hoylake.

LOCUM; qualified; 32; tall; from May 5; abstainer; excellent references; first-class Dispensing, Photographic, and Optical experience. "F. C. S.," 88 North Road, Bishopston, Bristol.

MANCHESTER or District.—Unqualified; permanency or Locum; excellent experience, Dispensing, Photography; disengaged April 24. "M. F.," 278 Great Clowes Street, Manchester.

DISENGAGED; unqualified; middle-aged; Store experience; good Prescriber; 8 years in last situation; permanency; outdoors; Midland Counties preferred. G. Roberts, Southam, Warwickshire.

ASSISTANT; 5 ft. 10 in.; aged 28; West-end and suburban experience; well up Counter, Photography, etc.; outdoors; unqualified; good references. "Statim," 68 Dagnau Road, Balham, S.W.

RETAIL, Wholesale, or abroad by Major; aged 47; knowledge of Surgical Instruments, Orthopædics, Spectacles, Photography, Scientific Apparatus, etc.; been abroad. "Major," 29 Belvedere, Bath.

ASSISTANT, outdoors (with proprietor only), in good country business; all-round experience; 3 years' reference to last employer; unqualified; middle-aged; single; abstainer. "Statim," 5 Charles Street, Hillingdon, Middlesex.

GOOD salary wanted by Pharmacist who guarantees to earn it; Manager or Senior; expert business increaser; energetic, skilful, and conscientious; capable Buyer, Advertiser, Bookkeeper, Stockkeeper, and Salesman; age 29½; tall and smart; 15 years' experience; 7½ years in present position. Apply, "North Midlands" (276/35), Office of this Paper.

UNQUALIFIED but thoroughly reliable, experienced Assistant, shortly disengaged, desires position as Senior Assistant, or would manage Drug-stores; advertiser would be prepared to invest in a good concern where his Dental knowledge would be advantageous; undeniable references; last berth 2 years' successful management. Apply to "Menthol," c/o Savage & Co., Pharmaceutical Chemists, 65 Edward Street, Brighton.

LOCUM; qualified; disengaged until May 15th. Hobson Key, Brook Estate, Monmouth.

IMPROVER; 19; tall; disengaged May; Photography. Jones, c/o Thomas, Chemist, Holyhead.

EVENINGS, 6 to 9; Dispensing Counter, Photography. McCarthy, 13 Atherfold Road, Clapham.

SITUATION wanted as Dispenser to Surgeon or Chemist's Assistant; 44. 281/23, Office of this Paper.

UNQUALIFIED; 27; tall; first-class experience; sound references. "M.," 37 Church Street, Uttoxeter.

M.P.S.; disengaged until 6 P.M.; experienced. "F.S.M.C." (279/12), Office of this Paper.

DISPENSER or Locum; disengaged; excellent references; outdoors. S. Stovell, 4 Handforth Road, S.W.

JUNIOR; 20; Birmingham district; knowledge Dispensing, Photography. Clark, 6 Cherry Street, Birmingham.

JUNIOR; 21; 5½ years' Dispensing and Photographic experience; good reference. Davies, Pharmacy, St. Clears.

LOCUM; qualified; disengaged from May; first-class experience; hospital or Retail. 281/4, Office of this Paper.

LOCUM; qualified; terms moderate; disengaged until 24th; references. "A.," 41 Palmerston Road, Birmingham.

ASSISTANT (21), tall, high-class experience, desires berth in London. "Ammonia" (279/9), Office of this Paper.

LOCUM; unqualified; 27; experienced; late Manager, and West-end; disengaged. "Nemo" (281/25), Office of this Paper.

DISPENSER and Bookkeeper to Medical firm; moderate salary; married; first-class references. 278/24, Office of this Paper.

JUNIOR; undeniable references; abstainer; all-round experience; Midlands preferred. Bradford, 66 Holmes Lane, Rotherham.

ASSISTANT; West-end and Store experience; outdoors; or Dispenser; disengaged. "H. G.," 6 Willow Avenue, Barnes, S.W.

UNQUALIFIED; 25; tall; West-end experience; reliable. Lloyd, 115 Morley Avenue, Mapperley, Nottingham.

M.P.S.; 24; good Dispensing and Retail experience; Yorkshire preferred. "Aspirin," Lyndhurst, Tadcaster.

UNQUALIFIED; Dispensing, Counter, Window-dressing, Stock-keeping, and Photographic; disengaged. 54 Park Avenue, Mitcham.

MANCHESTER or District.—Junior; 20; good Dispensing experience. H. Freedland, 23 Heywood Street, Cheetham, Manchester.

CAPABLE Assistant; 6 years' thorough experience; smart Counter-man, accurate Dispenser; unqualified. "Energetic" (281/26), Office of this Paper.

ASSISTANT; 30; single; Dispensing, Photography; all-round experience; season or permanency; outdoors; shortly disengaged. Stansfield, 30 Bower Street, Bedford.

NOTTINGHAM (near).—As Assistant or Senior; long experience and good Prescriber; would travel occasionally. Address, "Rheum," c/o 57 Gordon Road, Nottingham.

QUALIFIED, middle-aged, married, well recommended, seeks position to Superintend Juniors where good house accommodation; salary not much object. 281/2, Office of this Paper.

JUNIOR; 22; 5 ft. 10 in.; excellent references and experience; knowledge of Photography and French; whole or part time; Bath preferred. "Student," 14 South Parade, Bath.

DREADNOUGHT, 2 Craigerne Road, Blackheath.—Seven years' good experience, high-class Dispensing Photography, Counter, Stock; relief duty; abstainer; 22; London suburbs preferred.

DISENGAGED April 30th; Assistant; unqualified; age 28; good all-round experience; in or out doors; willing and obliging. Apply, N. S. Davidson, The Laurels, Ruskington, near Sleaford.

JUNIOR; unqualified; 5 ft. 8 in.; gentlemanly appearance; used to quick Counter trade; accurate Dispenser; Photography; South of England preferred. "Iridis" (281/5), Office of this Paper.

ADVERTISER, unqualified (26), married, seeks permanency; 10 years' experience; highest references; good knowledge Photography; country preferred. "Odol" (278/35), Office of this Paper.

SITUATIONS WANTED—*cont.*

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 11 Princess Road, Leicester.

ASSISTANT; 26; Photography; experienced Dispenser; outdoors; disengaged. 280/2, Office of this Paper.

LOCUM; qualified; excellent references; disengaged. "Caius," 21A Castletown Road, West Kensington.

JUNIOR; 20; country business preferred; good references; Photography. Matthews, 70 High Street, Stamford.

JUNIOR (20), 5 ft. 9 in., 4 years' Dispensing experience; disengaged. E. Andrews, "Hawkstone," Rhyl.

LOCUM; qualified; 27; thorough knowledge of all branches; now booking dates. "B.," 122 Oxford Street, Rugby.

PART-TIME Counter or Dispensing; 24; outdoors; experienced; disengaged. "Abstainer," 84 Astonville Street, Southfields, S.W.

ASSISTANT; unqualified; 15 years' experience; references; permanency or Locum. Fawcett, Blencogo, Dinarth Road, Colwyn Bay.

ASSISTANT; 16 years' first-class experience; Hall certificate; permanency or Locum. "Gentian," 26 Albert Road, Stroud Green, N.

BRANCH Manager with view to purchase; qualified; outdoors; 4½ years last situation; London, E. preferred. 1/28, Office of this Paper.

ADVERTISER (29), all-round experience, used to taking charge, seeks situation; moderate wages. "Rhei" (279/21), Office of this Paper.

QUALIFIED requires berth in good Mixed Retail, Dispensing, and Photographic business, with view to succession. 2/19, Office of this Paper.

M.P.S.; Manager; all-round experience; middle-aged; good reference; London or near. "Optician" (1/35), Office of this Paper.

MANAGER; qualified; 27; Prescribing, Dispensing, Optics, Photography. Reply salary for permanency, "A. E.," 6 Elborow Street, Rugby.

LONDON.—Part-time; unqualified; aged 25; height 5 ft. 10 in.; 8 years' experience; good appearance; Photography; good references. 279/39, Office of this Paper.

ASSISTANT; 10 years' high-class experience; well up in Dispensing, Photography, Bookkeeping; good references. Tavener, 34 High Street, Notting Hill Gate.

JUNIOR; 20; 5 ft. 11 in.; experienced and capable Dispenser and Counterman; used to good-class business; reliable; good appearance and address. 280/5, Office of this Paper.

AS Assistant or position of trust in London; energetic and obliging; good experience; good references; middle-aged. "Statim," 63 Turnpike Lane, Hornsey, North.

ASSISTANT; married, no family; Store or General Retail; 9 years present situation; disengaged beginning May; unqualified. "T.," 66 Burgoyne Road, Harringay.

CONTINENT.—Assistant with 10 years' high-class Dispensing experience would like berth abroad; good references. "C. P. T.," Homeleigh, Essex Road, Stevenage.

PART-TIME Assistant (26), with other duties, available up to 30 hours weekly; first-class Dispensing and General experience and references. "Responsible" (279/34), Office of this Paper.

GERMAN Assistant, references, speaking English, French, Italian, requires situation; disengaged June 1. Loesche, The International Pharmacy, Piazza Vittoria Emanuell, Florence.

AS Assistant; 36; married; disengaged through Act; good Salesman, Prescriber, Extractor; abstainer; first-class reference. "H.," 2 Warwick Mansions, Lower Richmond Road, Putney, S.W.

AS Manager, Locum, or any position of trust, by experienced Chemist who has owned several large businesses; view to purchase preferred; Minor; tall; age 35. In reply please state salary, hours, etc., 14/60, Office of this Paper.

JUNIOR; aged 22; tall; 6 years' experience, Photographic, Dispensing, General, Retail; excellent reference; abstainer; good stockkeeper; disengaged May 4; in or near London; permanency not objected to. Boulton, 30 The Broadway, Crouch End, N.

PART-TIME; unqualified; age 26; good Dispensing experience; Photography; London district preferred; outdoors. "A. E. B.," c/o Hampshire House Club, Hammersmith, W.

ASSISTANT; 27; first-class Retail, Dispensing, and Photographic experience; Extractor; highest references; disengaged. "Statim," Newton House, High Street, Herne Bay.

GERMAN gentleman (age 22), speaks French, very well experienced in all branches of Chemistry, requires situation Chemist's Assistant; very good references. "R. H.," 34 Epple Road, N.

WHOLESALE.

WAREHOUSEMAN and Stockkeeper; used to Packing. "H. E.," 82 Ifield Road, South Kensington.

AS Assistant in Wholesale; 11 years' Retail, provincial, and Wholesale experience. 281/1, Office of this Paper.

SCOTTISH Agent.—Traveller, with first-class connection and references, desires Agency. 278/18, Office of this Paper.

YOUTH (19) seeks situation to assist at Wet or Dry Counter; 5 years' experience. "C. B.," 31 Inville Road, Walworth.

AS Traveller; 16 years' very valuable connection; Sundries, Perfumery, or Specials. "Guild" (279/15), Office of this Paper.

TRAVELLER; Drugs or Sundries; good connection; Yorkshire, Eastern Counties, and South Wales preferred. "S. H.," 43 London Road, Twickenham.

TRAVELLER, with connection in Western Counties and South Wales, wishes to Represent another firm on part expenses and commission. 280/17, Office of this Paper.

GENTLEMAN (29) seeks position of trust in good house, or would Travel; 12 years' experience in Drugs, Instruments, Sundries, and Orthopædic work. 274/5, Office of this Paper.

TRAVELLER; 10 years' connection South and West England, South Wales; Drugs, Sundries, Perfumes, Packed Goods; good turnover. "Work," 3 Merton Road, Walthamstow.

TRAVELLER wishes to Represent good house; town or provincial; Drugs, Sundries, Instruments, or Specialities; or seeks responsible position in office or warehouse; used to control of staff; permanency looked for. 281/21, Office of this Paper.

CHEMIST out of business desires outdoor engagement, Drugs, Sundries, Perfumery, etc.; South Wales district; moderate salary; highest references; will interview if needed. Address, in first instance, to "Drug," 56 Claude Road, Cardiff.

MANUFACTURING Chemist, with extensive London experience of General Manufacturing and Specialities, is open to engagement in Wholesale house; Analyst; commercial experience of every department; investment if desired. 277/38, Office of this Paper.

ADVERTISER having established connection Chemists, Stores, etc., Kent, Sussex, and Eastern Counties, desires to Represent firm; Drugs, Packed Goods, Sundries; moderate salary and expenses essential. "Traveller," 31 Balmoral Road, New Brompton, Kent.

AUSTRALIA.—Pharmaceutical Chemist (young), with thorough knowledge of business, Retail and Wholesale, including Office work, who purposes going to reside in Australia, would like to hear of firm requiring Resident Representative there, or would consider Agencies for two or three firms of repute on expenses, commission, and small salary basis. 274/4, Office of this Paper.

Where to Study.

The following educational institutions are advertising in this issue:

- Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.
- Westminster College of Pharmacy, 402 Clapham Road, London, S.W.
- London College of Pharmacy, 323 Clapham Road, London, S.W.
- South of England School of Pharmacy, 186 Clapham Road, London, S.W.
- Leeds College of Pharmacy, Clarendon Street, Leeds.
- Northern College of Pharmacy, 100 and 102 Burlington Street, Manchester.
- Manchester College of Pharmacy, 225A and 227A Oxford Street, Manchester.
- Edinburgh Central School of Pharmacy, 26 Clyde Street, Edinburgh.

MISCELLANEOUS.

McADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81 Lee Green.

Shares for Sale (free of commission, subject).—70 Allen & Hanburys "A" Preference 24*s.* 9*d.* x.d., 40 "B" Preference, 24*s.* x.d.; 10 Baiss Brothers Preference, 20*s.* 3*d.*; 5 Evans Lescher Preference, £5 2*s.* 6*d.* x.d.; 100 Ilford Preference, 16*s.* 3*d.*; 200 Idris "A" Ordinary 3*s.* 3*d.*, 250 "A" Preference 7*s.* 3*d.*; £330 Idris Debenture Stock, bid wanted; 250 Schweppes Deferred, 9*s.* c.d.

Wanted (subject).—100 Camwal Preference, 6*s.* 6*d.*; 200 A. J. White Ordinary, 2*s.* 4½*d.*; 200 Virol Ordinary, 5*s.* 9*d.*; 100 Boots Lanes 6 per cent. 2nd Preference, 21*s.* 9*d.*; 100 Boots Southern 6 per cent. 2nd Preference, 21*s.* 9*d.*

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

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SECOND-HAND SHOP-FITTINGS.—2 modern window-enclosures, complete with top-lights, mirrors, plate-glass shelves, £10, cost more than double; 16 ft. 6 in. mahogany glass counter, very handsome, £12 10*s.*; 6-ft. mahogany plate-glass dispensing-screen and counter, mirror centre, £9 5*s.*; mahogany prescription desk and case, 35*s.*; 8-ft. solid mahogany plate-glass serving-counter, £6; 6-ft. plate-glass counter-case, £4; quantity of other goods must be sold at any price. Call at PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

DENTAL MECHANIC.—T. Barton, 194 Mansfield Road, Nottingham. Telephone 3898. Best workmanship in Vulcanite, Gold, D.A., etc.; Crowns, Bridges, and Inlays a speciality; prompt despatch my leading feature; repairs per return; every assistance and advice given to clients.

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The patent covers an invention interesting to Manufacturing Chemists and Manufacturers of Salicylic Acid or Ether.

Full particulars can be obtained from and offers made (for transmission to the Owners) to MARKS & CLERK, 18 Southampton Buildings, Chancery Lane, London, W.C.

TO Apprentices, Juniors, etc.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 239 Chapter Road, Cricklewood, London, N.W.

2/-.—Send me a P.O. and six labels and prices of your Specialities, and I will send you six of my SALE-COMPELLING window-cards. Messrs. Stiles, Doncaster, wrote on March 31st: "Must say your Tickets are very good, neat, and well done, and worth the little extra money." "Specialist" (280/35), Office of this Paper.

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BARGAIN.—Adjustable dental chair, red plush, as new; £5, or best offer; cost £25; leaving profession. 83 High Street, Aylesbury, Bucks.

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WHAT offers?—160 (or less) 1-oz. ethyl bromide (Merc). Roberts, 56 Woodcock Street, Hull.

PERFUMERS.—5-oz. bot. otto rosæ, extra virgin, at 28*s.*; Winch. ol. lavand. Mitcham (1906), at 27*s.* Lock, Fordingbridge.

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MONEY MAKERS.—Brooks's special recipes are easily made, profitable, and bring trade. "Vicoma" (hair-life), concentrated pomade, positively forces the growth; contains pilocarpin. "Maltussine" (cough-cure); rapid action; pleasant taste; very remunerative; nice appearance. "Cherry Foam," saponaceous liquid dentifrice; lovely odour; gives lasting sweetness to breath. "Floral Cream," inseparable; toilet luxury; clears the skin and preserves it; non-stieky. "Vir-ung," soothing, healing, curative salve; green; no poisons; positively cures eczema, sores, etc. Samples can be had for 3*d.* to cover postage. Recipes 2*s.* 6*d.* each, with instructions; 5 for 10*s.*, post free. Tom Brooks, Chemist, Hornsey, N.

OPTICAL AND PHOTOGRAPHIC.

OXYGEN cylinder, 40 ft., in hemp cover; just tested; a bargain. "Chemist," 141 St. James's Street, Burnley.

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MEM Frena camera, with magnifiers and case, £1; quarter-plate ditto, cost £8 17*s.* 6*d.*, for 30*s.*; No. 2 Brownies, 5*s.*; P.O.P. postcards, 15*s.* 1,000 in 100's, English. Martin, Chemist, Southampton.

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CASH offers wanted for: 2 doz. 2*s.* 9*d.* Vogeler's compound; 1½ gross Fairbank's glycerine tar soap; 2 doz. 2*s.* 11*d.* Virol; 6 doz. Erasmic soap (clean wrappers). Daykin, Chemist, Dalton-in-Furness.

SIX doz. 1*s.* 1½*d.* Davidson's bile beans, at 6*s.*; 18 doz. 7½*d.* Keene's One-Night corn-cure, at 4*s.* 6*d.*; 10 doz. 2*d.* Rubwell, at 1*s.*; 2 doz. 6*d.* Rubwell, at 2*s.* 9*d.*; 5 1*s.* Rubwell, at 5*s.* 6*d.*; 1 doz. 1*s.* Tatcho (non oily), at 7*s.*; all clean stock; offers entertained. Mason, 89 Acre Lane, Brixton.

SHARES.

SHARES for Sale. See above.

SHOP FITTINGS.

CHEMIST'S dispensing-scales (as Barclay's fig. 5); new condition; price 11*s.* Parker, 114 Portland Road, South Norwood.

POTH'S shop-rounds—40 oz., 7 doz.; 20 oz., 11 doz.; 10 oz., 4 doz.; with ointment-jars and syrups; fair condition; also 13 ft. run mahogany drawers. Waterall & Eberlin, Chemists, Nottingham.

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56-LB. tin honey, 14*s.* f.o.r.; 20 5-gal. oil-drums, 10*d.* each. 278/40, Office of this Paper.

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TWO specie-jars on stands, as Maw's 1461; surplus patents, surgical instruments, etc. Lists on application, "F.," 82 West India Road, Poplar.

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OPTICAL trial-case; large; good condition; lowest price. Cooper, 201 Gray's Inn Road, W.C.

"HOMŒOPATHIC Pharmacopœia" (recent edition); also Will's "Chemistry." Wood, Chemist, Somerville, Seacombe.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. Gower, Bookseller, Waterloo, Liverpool.

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SECOND-HAND dental chair, engine, lathe, and surgery and workroom sundries; also odd teeth. Write, stating full particulars and lowest prices, "W. E.," 30 Finsbury Pavement, E.C.

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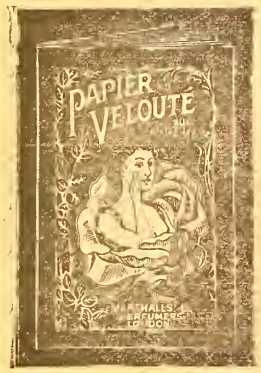
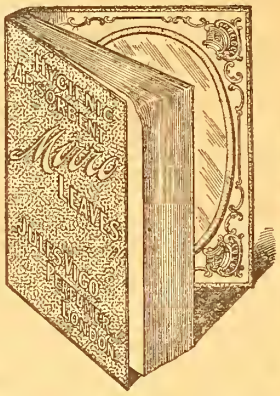


Best selling Book on the Market. **24/-** gross.



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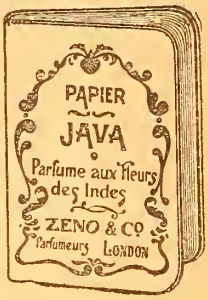

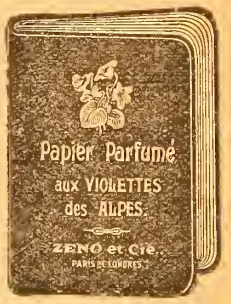

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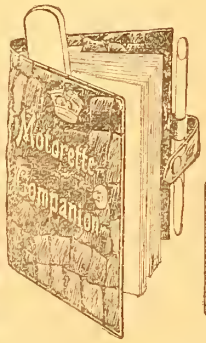

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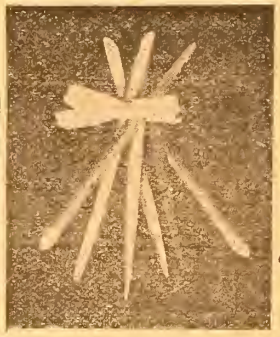

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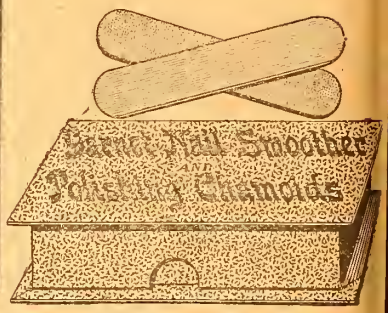

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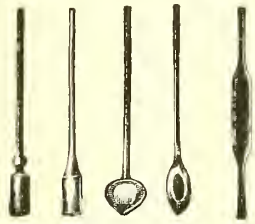

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637	" " " " 2 c.c. " " " "	7/6	8/9
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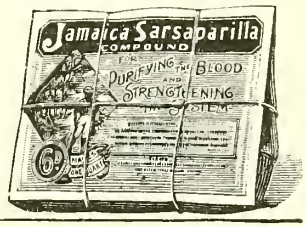

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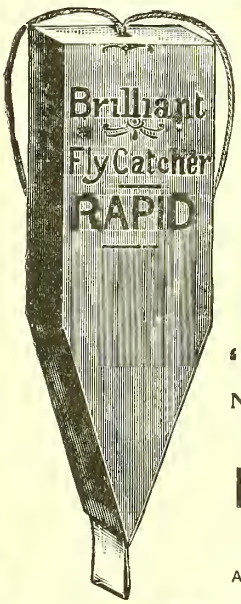

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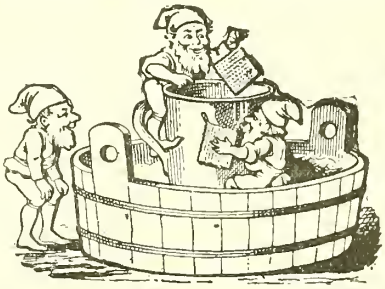

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Fig. 6.
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CONTENTS: Vol. LXXIV., No. 16 (Series No. 1525).

	PAGE
Agricultural Poisons	594
American Notes	589
Association Affairs	604
Bankruptcy Report	590
B.P. Conference	603
Business Changes	596
Coming Events	610
Contracts	603
Correspondence:	
On a Fable of Æsop's; Certificates of Qualification; A Dream	611
Industrial Alcohol; The Anæsthetics Bill; Poor-law Dispensing Accounts	612
Bismuth Blackening the Tongue; Another Sign of the Times; Does Witch-hazel Make the Hair Grow; The Counter Schedule, etc.	613
Legal Queries	613
Miscellaneous Inquiries	614
Deaths	591
Editorial Comments:	
The Quarter's Trade	598
French Pharmacy Curriculum	599
Sale of Disinfectants	600
Notes	600
Deeds of Arrangement	590
English News	584
French News	586
Gazette	590
India and the East	586
Information Wanted	591
International Congress of Applied Chemistry	602
Irish News	585
Legal Reports	590
Marriages	591
Modern Skin-creams	601
New Companies and Company News	590
Observations and Reflections	597
Personalities	592
Pharmaceutical Society of Great Britain: Examination Results	596
Pharmaceutical Society of Ireland: Council-meeting	596
Poisonings	601
Scots News	586
Society of Chemical Industry	611
South African News	588
Trade-marks Applied For	593
Trade Notes	593
Trade Report	607
Westminster Wisdom	614

THE COLONIAL ISSUE.

April 24, 1909.

The Publisher desires to remind advertisers that he cannot guarantee the insertion of any advertisement intended for the above issue unless it is received by the first post on Tuesday morning, April 20. Manufacturers and others connected with the drug and chemical trades should take full advantage of this unique opportunity afforded them of appealing to potential buyers in all parts of the world. The past experience of many advertisers shows that the Colonial Issue of The Chemist and Druggist is instrumental in opening up many new and valuable accounts. It should be noted that the extra circulation in the Colonies on this occasion is in addition to our usual circulation at home, which is unequalled in extent and value.

Summary.

The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.

A Limited Company is to be registered for the manufacture and sale of chemists' joint proprietaries (p. 605).

The third of the series of our special articles on modern skin creams deals with those in which casein is the basis (p. 601).

The B.P.C. programme for the last week of July in Newcastle-on-Tyne is novel and attractive. See the details on p. 603.

A case in bankruptcy which interests all business people is dealt with in our legal reports, p. 590. It shows the necessity for registration of firms.

Messrs. Currie and Gilmour, members of the Pharmaceutical Council, addressed the Leeds Chemists' Association last week on the new Act (p. 605).

The International Congress of Applied Chemistry arrangements are crystallising. The list of pharmaceutical papers is printed on p. 603.

The Demand for Assistants is distinctly greater than is usual at this season. We give figures for the first quarters of 1906 to 1909 in a note on p. 601.

The Names of Candidates who passed the Major examination in London and the Minor examination in London and Edinburgh are printed on p. 596.

A National Union of Assistant Pharmacists has been formed for Great Britain, with Mr. Joseph M. Dowty as President. Its objects are explained on p. 606.

France is endeavouring to alter her pharmaceutical curriculum, which has been working smoothly for generations. We give full particulars of the proposals (p. 599).

"Guaranteed to Cure or Forfeit 50*l.*" was advertised in connection with a proprietary medicine, and the Glasgow Sheriff holds that the advertiser in certain circumstances must pay the forfeit (p. 590).

The Council of the Pharmaceutical Society of Ireland had formal business only to transact last week. The most important item was a refusal by the Lord-Lieutenant to receive a deputation *re* reduction of fines under the Pharmacy and Poisons Act (p. 596).

Export and Import Trade in March was distinctly better than in January and February, the decline in exports being 3 per cent. only upon March 1908, while January was 16 per cent. and February 13 per cent. less than in the corresponding months of 1908. A review of the figures is given in an article beginning on p. 598.

A Series of lectures on disinfectants has recently been delivered before the Royal College of Physicians by Professor Hewlett, of King's College. In the last one he spoke about the sale of disinfectants, and we quote from it points which deserve the consideration of all who make and sell these substances (p. 600).

Section 2 Licences for the sale of agricultural and horticultural poisons are providing us with a lot of interesting reading, including notices of application and consideration of applications. See pp. 594-5. We would be glad if subscribers generally could send us local newspapers containing advertisements and reports in regard to such licences.

The Markets have been under holiday influences this week, and price-alterations have naturally been few. Camphor is tending firmer, while German flowers have been advanced. Higher prices are asked for lemon oil in Sicily, and other produce which has appreciated includes saffron, valerian, turpentine, and linseed oils. Ammonia sulphate, Soudan acacia, and sandarac are easier. Sassia and star-aniseed oils are lower for shipment (p. 607).

Certificates of Qualification.

Mr. Danckwerts, K.C., is of opinion that the Minor and Major certificates comply with Section 3 of the Poisons and Pharmacy Act for exhibition in the premises managed by the holders. Those who have them do not require the Pharmaceutical Society's membership or shilling annual certificates (see *C. & D.*, April 10, p. 564). The names of the holders of the examination certificates who have qualified before 1909 should be on the current year's published register. We can give this information to any chemist who sends us a reply postcard.

English News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

Mr. N. G. Maddison, a deaf mute from birth, has entered for a course of training in analytical chemistry at the Royal College of Science, London, W.

The figure for 1908 annuities—viz., 300*l.*—was accidentally omitted from the Pharmaceutical Society's expenditure account in the *C. & D.*, April 10, p. 572.

Mr. Alfred Newton, Ph.C., rendered first aid at Matlock Bath to a young man who was carried to his pharmacy on April 8, in consequence of an alarming char-à-banc accident.

"The British Medical Journal" of April 10 contains an article on the composition of inebrity-cures, the specialties dealt with being Coza-powder, Dipsocure, Antidipso, and the Teetolia treatment.

A sub-committee of the Colne Town Council is considering an application for increased motor-power. It is understood that the application emanated from a firm of chemical-manufacturers who contemplate erecting premises in the district.

An Order in Council under the Patents Act, 1905, is gazetted relieving any exhibitor of an invention or design at the International Exhibition at Brussels in 1910 from the condition requiring notice to the Comptroller of his intention to exhibit such invention, etc.

At Marylebone Police Court on April 7, Alfred Miller (68), described as an analytical chemist, was remanded on a charge of obtaining money by false pretences. It was stated that prisoner had served four terms of penal servitude since 1899 and is out on a ticket-of-leave.

An extensive fire occurred at the works of Messrs. Joseph Thorley, Ltd., cattle-food manufacturers, Caledonian Road, London, N., on April 12. A three-storied building used as a bakery and for making packing-cases, etc., was destroyed before the flames were overcome.

At Woodbridge on April 6, Mr. Robert Edward Atwater, who had been an assistant for twenty-two years with Mr. Alfred Gall, chemist and druggist, was found hanging from a trap-door on his employer's premises. Deceased had suffered from depression of late. An inquest was held, and the jury returned a verdict of suicide.

At the Marlborough Street Police Court on April 15, Oscar Schmidt, Alfred Moser, and Albert Hausman, who were charged on remand with concealing unentered saccharin (*C. & D.*, April 10, p. 549), were discharged on application at the instance of the Attorney-General, in order that proceedings should be heard in the High Court.

The case of Weston & Westall, Ltd. *v.* Burford was again mentioned in the City of London Court before Judge Lumley Smith, K.C. It was in regard to 33*l.* due to the plaintiffs as the outcome of an action brought by them to restrain the defendant, who traded as E. Burford & Co., from passing off their oil as his. Defendant said he could not pay, and his Honour made no order.

At Retford, on April 14, Mr. E. Barrass (37), the manager of the pharmacy of Mr. Rowland Smith, chemist and druggist, Market Square, Retford, was found with his throat cut, and died shortly after. He had suffered from ill-health of late, and during the previous night he had three epileptic fits. At the inquest the jury returned a verdict of suicide during temporary insanity after an epileptic fit.

At a meeting of the Sheffield City Council last week Councillor Neal called attention to the report of the Chief Inspector of Weights and Measures (Mr. W. Kenyon), wherein it was suggested the provisions which applied to petroleum should be made to apply also to alcohols, methylated spirit, naphtha, ether, chloroform, and xylonite. He pointed out that the result would be that every cutler and doctor would have to take out a petroleum licence. (Laughter.) The former for xylonite and the latter for ether and chloroform. The report was sent back for further consideration.

Spectacle-makers' Company.

In case there are any outstanding complaints of non-delivery of diplomas we are asked to announce that full particulars should be sent forthwith to Col. T. Davies Sewell, 11 Temple House, Temple Avenue, London, E.C., when the matter will be investigated with as little delay as possible.

Registered opticians who are freemen of the Company and have not yet taken up the freedom of the City of London should note that the process is a simple one. It is necessary to apply first to Col. Sewell for a certificate of freedom of the Company, which must be taken personally to the City Chamberlain's office at the Guildhall. When this has been approved of by the Court of Aldermen the applicant will have notice from the Chamberlain that the matter is ready for completion.

Mr. Thomas Lovell, the beadle of the Company, who was known to many of the Fellows of the Company, died on April 12 from pneumonia, following influenza. He was seventy-one years of age, and had been beadle of the S.M.C. for thirty-five years. Among other positions which Mr. Lovell held may be mentioned that of ale-conner, an ancient office intended to ensure the purity of ale sold in the City. The primitive methods of the ale-conner have long been replaced by those of the analytical chemist.

Wine-licences.

The grants of medicated-wine licences have been confirmed by the local Licensing Justices in the following instances:

Mr. James Augustus Carr, Washington.

Mr. A. W. G. Dyson, Station Road, Ashington.

Miss Frances Annie Ellis, Front Street, East Boldon.

Mr. George Chicken, Pelaw Drug-stores, Newcastle-on-Tyne.

Mr. Herbert Lowes, chemist and druggist, Blackhills Road, Horden.

At the Birkenhead Licensing Sessions, on April 8, Mr. J. A. E. Breeze, chemist and druggist, 88 Oxton Road, Birkenhead, applied for the transfer of a wine-licence to Mr. R. Hulme. In opposing the transfer Mr. J. E. Thomas said the sale of medicated wines, which contained 30 per cent. of proof spirit, was a most insidious form of supplying alcohol. The application was refused.

At the East Kent Quarter Sessions, at Canterbury, on April 7, the Timothy White Co., Ltd., appealed against the decision of the Faversham Licensing Justices in refusing the renewal of a wine-licence for premises at 3 West Street, Faversham. The appellants acquired in 1901 a portion of the premises of a wine and spirit merchant, who continued his business. In January a transfer of the off-licence was applied for, with an undertaking to sell only medicated wines, but was refused on the ground of non-necessity. The appeal was refused.

Birmingham Notes.

The fine weather early in the Easter Holidays caused a big exodus to the health resorts, and left pharmacy with little to do. On Bank Holiday many suburban shops were open for the transaction of business, and not a few were fully occupied, the return of the cold and wet weather causing a run on cold-mixtures and fever-powders.

One of the important questions which engaged the attention of the delegates to the Annual Conference of the Shop-assistants' Union, held on Sunday and Monday last, was the proposal of a minimum wage for workers behind the counter, who, it appears, earn anything from a penny to a shilling per hour, and work at the rate of from forty-seven to seventy-eight hours per week.

Sale of Food and Drugs Acts.

The Gloucester public analyst examined the following samples during the last quarter: Camphorated oil (3), sweet spirit of nitre (3), vinegar (1), and pepper (2). One sample of sweet nitre proved to be 70 per cent. deficient in ethyl nitrite, and the vendor was fined 10*s.*, with 1*l.* costs. The other samples were all genuine.

The Birmingham public analyst (Mr. J. F. Liverseege, F.I.C., Ph.C.) in his annual report states that ten out of the fifty-seven samples of drugs examined were not in accordance with the required standards. This unsatisfactory figure (18 per cent., as compared with 9 and 5 per

cent. in the two previous years, but 26 per cent. in 1905) is mainly due to the large number of prescriptions incorrectly filled, which could not be passed as genuine. These were fully dealt with in a previous issue (*C. & D.*, February 27, p. 320). Of eleven samples of glycerin, two contained 12 per cent. of water. Two prosecutions were instituted in regard to drug samples during the year and fines amounting to 1*l.* were inflicted. Two other vendors were cautioned.

A Tooth-lotion Case.

At the resumed inquiry at Burslem, on Monday, into the death of Lilian Maud Chappell, Longport, who was admitted into the Haywood Hospital suffering from bleeding of the gums, and died there (*C. & D.*, April 10, p. 549), Miss Jenny Howard stated that Mr. Russell, after asking if any teeth had been extracted, gave her a small bottle of liquid which he said was poison, and witness understood that two teaspoonfuls of the mixture was to be applied where the gum bled.—Mr. Elias Russell stated that he traded as the Russell Drug-stores, Longport, but was not a qualified chemist.—The Coroner: How can you dispense poisons without being registered? Witness: It is not a scheduled poison.—The Coroner: You labelled it "Poison"? Witness: Yes, but it is not necessary to label it "Poison."—Mr. Russell explained that the lotion consisted of equal parts of dilute sulphuric acid, tincture of iron, and rectified spirit. He did not mention anything about teaspoonfuls; he mentioned "a little," and told the young lady to apply it to the part where the gum was bleeding.—Dr. W. T. Shields deposed that the application, if properly dispensed, would be a proper one for bleeding of the gums. He was satisfied that the application in question did not bring about death.—Miss M. D. French, medical officer at the Haywood Hospital, stated that the deceased was very badly burned about the mouth, but the state of collapse was not brought about by the condition of the mouth. In witness's opinion death was due to natural causes.—The Coroner, in summing up, said he could not help calling attention to the fact that the person who dispensed the liquid was unregistered. He did not want to interfere in any way with anybody's livelihood, but people who were dealing in dangerous commodities certain should, in these days, be qualified men. The liquid in the present case was quite a proper thing to use, but it behoved the person who sold it to explain very explicitly how it should be used.—The jury returned a verdict of death from natural causes.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Poisons and Pharmacy Act.

At a meeting of the Police Committee of Belfast Corporation on April 8, a discussion took place with reference to the Poisons and Pharmacy Act, 1908, and instructions were given to the officials as to issuing poison-licences. The fee to be charged was fixed at 7*s.* 6*d.*

Contracts.

The Guardians of the Castleblayney Union have given the drug-contract to Messrs. John Clarke & Co., Belfast, at an abatement of 38 per cent. Mr. P. N. White, Sligo, whose tender had been accepted, declined to accept the Board's offer, as he has obtained more contracts than he can carry out.

Mr. White has also declined to accept the contract of the Claremorris Union for similar reasons. The L.G.B. have consented to the contract being awarded to Messrs. Boileau & Boyd at 35½ per cent. discount, although another firm offered better terms.

Mr. White has informed the Wexford Guardians that he will not be able to accept the contract for surgical instruments which the Board have awarded him.

Mr. Roden Johnston, pharmaceutical chemist, Downpatrick, has again secured the contract for the supply of medicines and appliances for Down County Asylum.

The Local Government Board have refused recoupment, amounting to 112*l.*, to the Edenberry Union because the Guardians did not give the drug contract to the firm who put in the lowest tender.

The Cork Guardians have not been able to get the consent of the L.G.B. to the acceptance of the tender of the Cork Chemical and Drug Co. for appliances. Two other firms offered better terms. The Guardians are to repeat their request to the superior Board.

The Local Government Board have asked the Monaghan Guardians for the reason why they awarded the drug contract to Messrs. Clarke & Co. after giving that firm an opportunity of amending their tender. Such a course, it is pointed out, will prevent competition.

The L.G.B. have consented to the acceptance by the Swinford Union of the tender for drugs sent in by Messrs. Clarke & Co., although this was not the lowest. The Clerk stated that on the ground of convenience the Guardians would save more than the difference between the tenders.

The Clonmel Guardians had a discussion on Irish and English drug tenders at their last meeting. The occasion was the signing of the contract with Messrs. Sumner & Co., Liverpool. Messrs. Boileau & Boyd, in a letter, stated that out of 368 drugs on the standard list they manufacture 279 in their own laboratories, which are the largest in Ireland.

The Local Government Board are also corresponding with the Londonderry Guardians in regard to the acceptance of the drug tender of Messrs. J. Clarke & Co., Belfast, when a lower tender was received from Messrs. S. Connor & Sons, Newry. The Guardians have agreed to accept Messrs. Connor's tender.

The Haslett Statue.

It has been arranged that the statue to the late Sir James Haslett, M.P., formerly President of the Chemists' and Druggists' Society of Ireland, will be unveiled in the City Hall grounds, Belfast, on April 19, by the Marquis of Londonderry, K.G. The Lord Mayor (Alderman Sir Robert Anderson, J.P.) will preside at the ceremony.

Claim for Window-smash.

Mr. James Michie, pharmaceutical chemist, Blackrock, has made a claim from the authorities, under the Malicious Injuries Act, for compensation estimated at 8*l.* 10*s.* for the wilful breaking on February 26 of the plate-glass windows of his pharmacy at 22 Main Street, Blackrock.

Auction-sale.

The apparatus and fittings of the drug-business of Messrs. Hunt & Co., Bride Street, Dublin, were sold by auction last week. Most of the lots fetched good prices. Among those present were Sir Thomas W. Robinson, Mr. W. F. Wells, and Mr. Henry Conyngham.

Court Charges.

At Belfast Police Court last week a man named Hamilton was charged with the theft of three medicine-bottles from the shop of Mr. John Thompson, L.A.H., Ph.C., 100 Peters Hill. Prisoner, who pleaded guilty, was discharged with a caution.

A man named Armstrong was summoned at Belfast on April 7 for causing annoyance in the Empire Theatre by distributing "electric" snuff. Mr. Campbell, for the prosecution, said the snuff is used for the purpose of making persons sneeze, but is not sold by any respectable chemist. It is composed, said Mr. Campbell, of two dangerous alkaloids, and its effects are ten times worse than cayenne pepper. The case was adjourned for a month.

Personal.

Mr. P. E. Kelly, pharmaceutical chemist, Medical Hall, Enniscorthy, met with an accident while playing ball in the Athenæum ball-court on the afternoon of April 4. He slipped and fractured his thigh.

A pleasant function took place on April 3 at Killeague, Green Island, the residence of Mr. James R. Haslett, director of Messrs. J. & J. Haslett, Ltd., chemists and druggists, North Street, Belfast, when Mr. Haslett was presented with a handsome piece of silver plate from the employés of the company on the occasion of his marriage. Mr. Wilson made the presentation, and Mr. Haslett thanked the employés for their thoughtfulness, and gave a brief outline of the history of the company and the vicissitudes through which it has passed.

The Chemist Wins.

Last week, in the Dublin King's Bench Division, before Mr. Justice Boyd, Mr. Robert Doyle, B.L., applied in the case of Patrick L. Smyth *v.* James S. Corcoran for liberty to make final judgment for 28*l.* against the defendant, a pharmaceutical chemist, carrying on business in Talbot Street, Dublin. It was alleged that defendant incurred the debt as a result of betting at Baldoyle races in 1903. Counsel said defendant sheltered himself behind the Gaming Act, but stated that he was willing to pay the debt by instalments; but as a matter of fact he had not paid one shilling of the debt. His Lordship said that, having regard to the defence raised, he must refuse the motion, with costs.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

The Scottish Mountaineering Club's Easter meet was held at Fort William this year, and on Saturday, April 10, between sixty and seventy climbers were scattered over the snow-clad slopes and precipices of Ben Nevis and its satellites. A few well-known pharmacists from the South were in the party.

The Aberdeen Parish Council has recommended that the following chemists be appointed to supply drugs to the outdoor poor in the various districts during the ensuing year: Messrs. Strachan & Gerrie, Rosemount Place; Mr. W. Reid, Holburn Street; Mr. W. Wallace, King Street; Mr. Charles Coutts, Broad Street; Mr. R. C. Cardno, Woodside; Mr. W. Macpherson, Spital; and Mr. A. P. Wallace, Victoria Road, Torry.

The Aberdeen Pharmaceutical Association has always looked well after the educational facilities of the younger members of the craft. They have again offered prizes for the best students on the roll of the evening class of the School of Pharmacy, Gordon's College. Two prizes are offered in each subject, and the candidates have received notice that the examination will be held in Gordon's College on Friday and Saturday, April 16 and 17. We understand there is to be a keen contest for the prizes.

Edinburgh.

There are rumours of more businesses for sale.

The silver challenge cup presented to the Billiards Section of the Edinburgh Pharmacy Athletic Club by Mr. W. A. Davis, managing director of Messrs. Raimes, Clark & Co., Ltd., has been won by Mr. Roberton.

The Royal Physical Society of Edinburgh, one of the oldest scientific societies in the kingdom, has opened its doors to women members. Four ladies were elected ordinary fellows at the March meeting, including Mrs. Ogilvie Gordon, D.Sc., Ph.D., Aberdeen.

The Edinburgh Chemists' Golf Club played the opening match of the season over the Bruntsfield Golf Course, Barnton, on April 7. The competition between teams chosen by the Captain and the Hon. Secretary resulted in a victory for the former team by 6½ matches to ½ match.

The half-yearly report of the St. Cuthbert's Co-operative Association, Ltd., Edinburgh, shows that in the drug departments the turnover amounted to 2,934*l.*, as compared with 3,896*l.* in the corresponding period. The gross profits are given at 1,953*l.*, as compared with 2,047*l.*, and the net profits at 1,074*l.*, as compared with 1,235*l.*

Some small Scots towns are pharmaceutically in almost the same condition as that existing a score or more years ago. Dalkeith, and the adjoining Eskbank, in which there was no chemist till a comparatively recent date, have undergone a revolution. Dalkeith used to contain several small pharmacies, and a branch of the extinct Scottish Drug-stores, Ltd. All these are gone, and in their stead are four handsome shops. Mr. Kemp has two of them, and Messrs. Gauld and Archer own the others.

Glasgow.

Mr. Cecil Lee, chemist and druggist, has taken over the "Clincart Pharmacy," 1067 Cathcart Road, Glasgow.

Professor F. O. Bower is to visit Jamaica in July to study the fern flora, and has promised to collect rare plants for the city while there.

Claims against the late Mr. John Harvie, J.P., chemist, Airdrie, have to be sent to Mr. J. Dunn Russell, County Buildings, Airdrie, before April 23.

At Ayr annual Burgh Licensing Court this week, an application by Mr. George Ogg, chemist and druggist, Sandgate Street, for a new dealer's certificate was withdrawn.

Football.

The Edinburgh Pharmacy F.C. journeyed to Balerno on April 10 to meet the St. Lennox team in a friendly contest at football. The Pharmacy team was as follows: Hossack; Young, Margach; McBain, Hardy, Forsyth; Sullivan, Mark, Winton, Mein, Weston. A good game played under ideal weather conditions ended in a draw, without any score. The visitors were afterwards entertained to tea by the St. Lennox team, and all thoroughly enjoyed their outing.

India and the East.

(From the "C. & D" Correspondent.)

Malaya Citronella Oil.—The "Straits Agricultural Bulletin" reports that a Mr. Stevens has erected stills for the distillation of citronella oil on Sungei Landon, at Chenderiang, Malay States.

Licence Prosecutions.—In the Hyogo Prefecture seven manufacturing chemists, six druggists, and two physicians were imprisoned for trading or practising without the required Government licence.

Sulphuric Acid in Burma.—The Burma Chemical Industries, Ltd., is the title of a new company registered in Rangoon, with a capital of five lakhs of rupees (about 33,000*l.*). Its primary object is to manufacture sulphuric acid for the oil-refining companies of Burma.

Mr. Marshall K. Watt, chemist and druggist, of the Dispensary, Singapore, left Singapore upon the s.s. *Prinz Ludwig* and, travelling overland from Genoa, expects to arrive in London about May 6. He is succeeded at Singapore by Mr. D. Timms, chemist and druggist.

The Sale of Potassium Cyanide in the Straits Settlements.—Under the new rules of the Poisons Ordinance, which come into force on July 1, no quantity less than 1 lb. of potassium cyanide may be sold, and it is rendered compulsory that the name and address of the vendor be etched or blown upon the glass of the bottle.

French News.

(From the "C. & D." Paris Correspondent.)

Old MSS. Worth Knowing.—The seventy-two manuscripts of the library of the Paris Superior School of Pharmacy, some of which date from the fifteenth century, have been examined by M. Amédée Boinet, keeper of the archives, who has described them in a seventeen-page pamphlet.

Thesis on Tablets.—M. Bruère, when qualifying as doctor in pharmacy recently, chose this as the subject of his thesis. He classes tablets in three groups—(1) powders directly compressed; (2) powders compressed after dry granulation; (3) after granulation in a moist state. He thinks that tablets containing toxic substances should be subjected to certain definite regulations as to colour and form to avoid errors.

The "Annales de Falsification," a monthly bulletin treating of the adulteration of food and drugs, may be considered as the literary offspring of the recent "White Cross" or Pure-food Congress at Geneva. The editors are M. Roux, director of the principal Parisian laboratory organised under the French Food and Drugs Act, 1905, and Dr. Bordas, the well-known director of the laboratory of the Ministry of Finances.

Poisoning in France.—Between 1825 and 1900, 2,164 poisoning cases were registered in France. The "record"

is held by the year 1840. Three-fourths of the cases came from the country, 25 per cent. only occurring in towns. The department showing the highest proportion is the Hautes-Alpes—a characteristically rural district—while the Riviera (Alpes-Maritimes) and Paris (Seine) districts show the lowest percentages. Suicide by poisoning is essentially a female crime, this means of self-destruction being seldom resorted to by the male sex.

International Hygiene.—Another of those international agreements which are characteristic of modern life is represented by the Office d'Hygiène Publique, opened recently in Paris (195 Boulevard St. Germain). Fourteen Governments have so far agreed to subscribe towards these establishments, the special object of which is to study epidemics and similar matters of international hygienic interest, and mutually to file or supply information one to the other on these subjects, with a view to checking, by common agreement and international measures, the progress and approach of such dangers as cholera, plague, yellow fever, etc. M. de Cazotte is the Director of the Paris Office.

The Berthelot Monument.—The committee for the international subscription to erect a monument in memory of Marcelin Berthelot held a meeting a few days ago, with M. Emile Loubet, former President of the French Republic, in the chair. The treasurer announced that the subscriptions have now reached 75,000f. (3,000*l.*), and added that a large number of provincial sub-committees had not yet transmitted the subscriptions they have received. Some interesting details were given concerning the formation of sub-committees abroad. The committee has decided to entrust M. de Saint-Marceaux with the execution of the monument, and made a pressing appeal for further subscriptions.

Prize Awards.—The prizes to be awarded during 1909 by the Society of Encouragement of National Industry include the medal for chemical arts (this bears the effigy of Lavoisier) and the Michel Perret prize of 2,800f. for the encouragement of French research in industrial chemistry. The interest of the Legrand bequest (1,166f.) and the De Milly bequest (720f.) is awarded to deserving workmen in the soap and stearine trades respectively. The "Class 51 prize" (115f.) is for improvement in chemical, pharmacy, or tanning plant; while the Parmentier prize of 335f. rewards scientific or technical research in the improvement of agricultural works or alimentary industries.

Cerebro-spinal Meningitis.—Although the authorities claim that there is not, properly speaking, an epidemic of cerebro-spinal meningitis in Paris, the Prefect of Police has considered it advisable to send out a circular to the doctors practising in his jurisdiction. They are reminded of the obligation to declare any cases of the malady that come under their notice, and attention is drawn to the utility, in the matter of diagnosis, of having the spinal fluid bacteriologically examined. The Prefect's circular also sets forth the excellent results obtained from anti-meningococcic serum, and mentions prophylactic measures which, in the case of cerebro-spinal meningitis, are absolutely essential. The serum is supplied by the Pasteur Institute, 22 rue Dutot, Paris, and has already been successfully applied in French military hospitals; the inventor is Dr. Wasserman, of Berlin (Koch Institute).

Pharmacy in Practice.—The police court of Yvetot has recently given a decision of interest to pharmacists based on the old regulation that they must lodge an official declaration on commencing business and be in strict personal attendance during business hours. The defendant was M. Duvergier, who opened a pharmacy some time ago at St. Martin-aux-Buneaux, and his assistant, M. Raoul, the latter having managed the pharmacy during the frequent absences of his employer. They were sentenced to pay each a fine of 500f. (20*l.*), but this was remitted under the First Offenders Act, and 300f. (12*l.*) damages to M. Blanquet, pharmacist at Sassetot-le-Mauconduit, who prosecuted. The Société des Pharmaciens de la Seine Inférieure, who also intervened, were awarded one franc nominal damages. The incriminated pharmacy was ordered to be closed. It may be noted that this case arose in a remote country district, and the question of unfair competition thus became an important element in the evidence.

A Commercial Annex.—In view of the annual meeting of the General Association of French Pharmacists, M Fortuné explains the details of his proposed "Commercial Annex" to this Association for the manufacture and sale of proved and approved preparations. He suggests that it might be called "The National Society of French Pharmacists" and that this title be used as a trade-mark. It would serve as the commercial intermediary to examine, prepare, or verify "all preparations requiring a special plant or special care, particularly newly introduced therapeuticals." It would unite existing co-operative societies and favour the exchange of their products; and, later on, might organise the wholesale purchase of drugs, especially by grouping the orders of co-operative societies. The "co-operative societies" which M. Fortuné has in view are apparently those on the lines of the "Galenical Society," founded in 1903 by the Savoy Syndicate, afterwards reinforced by the adhesions of the Syndicate (or Pharmaceutical Trade Societies) of the Ain and Isère departments. It now boasts 160 members, of whom 106 buy regularly. In three years over 100,000 articles of a galenical nature had thus been sold. To enable the necessary capital to be raised immediately, M. Fortuné suggests several methods:

1. Monthly subscriptions from syndicates at the rate of 1f. per head for each of their members.
2. Individual subscriptions, 1f. or more per member. In the Galenical Society each member pays 5f. per annum; elsewhere as much as 12f. per year is paid.
3. Subventions from syndicates or from the general associations.

M Fortuné invites the various pharmaceutical groups to study these details and to thresh out the question at the next general meeting of the parent Association. A special gathering to discuss the subject seems to him a useless supplementary expense.

Canadian News.

(From the "C. & D." Correspondent.)

Mr. Edmond Poliquin, druggists' sundriesman and surgical instrument supplier, St. Denis Street, Montreal, has assigned for the benefit of his creditors.

"La Polyclinique."—Twelve licensed doctors of the province of Quebec, incorporated under the name of "La Polyclinique de Montreal," have taken a writ of mandamus against the Quebec Pharmaceutical Association, to force the latter to accept the annual fee of $5, and to deliver them the necessary papers for the establishment of a pharmacy in Ville St. Louis. Mr. Justice Davidson has taken the motion *en delibère*.

Opium Law.—At midnight on March 31 a new opium law, forbidding the importing and preparing of smoking opium both in Canada and the United States, went into effect. The drug may be procured for medical purposes. One Vancouver firm admitted to Mr. McKenzie King that they made an annual profit of $150,000 from opium. Factories at Victoria, British Columbia, were closed some months ago, time having been given for disposal of stock.

Pharmacy Act Prosecution.—Judge Rochon, in the Hull Superior Court, decided the case of the Pharmaceutical Association of Quebec against the Modern Drug Co., of Hull, Quebec. The plaintiffs pressed for a penalty of $1,000, as the defendants were not registered druggists. The defendants declared that they employed none but qualified men. A minor charge of selling poison without inquiring the name of the purchaser was admitted. The Judge inflicted a fine of $50 for the latter offence, and ordered the plaintiffs to pay the costs of the first charge to the defendants.

Cocaine Sales.—Judge Bazin has dismissed the charges brought by the Quebec Pharmaceutical Association against Drs. Aime, J. A. Handfield, and A. Meunier, all three being exonerated from any connection with the sale of cocaine. In regard to the charges against Drs. Aime and Handfield, the Judge said no offence had been proved, and he dismissed the action. Mr. Tansey, attorney for the Association, admitted that it was by mistake that the twenty actions had been entered against Dr. J. W. Meunier. In view of this

statement, Judge Bazin also dismissed the action against Dr. Meunier. As a sequel, Dr. Meunier at once entered a personal action for damages to the amount of $10,000 against Mr. Muir, Secretary of the Association, and another for the same amount against the Association. In regard to the accusations against Arthur Noel, the defendant pleaded guilty, and will be sentenced later (see *C. & D.*, March 13, p. 397).

South African News.

(From the "C. & D." Correspondents.)

Note.—"The Chemist and Druggist" is regularly supplied by order to all the members of all the Pharmaceutical Societies in British South Africa, viz.:

South African Pharmaceutical Association.
Pharmaceutical Society of Cape Colony.
Natal Pharmaceutical Society.
Transvaal Pharmaceutical Society.
Rhodesia Pharmaceutical Society.
Northern District Chemists' Association.
Pharmaceutical Society of Orange River Colony.

British East Africa.

Mr. A. E. Standring, chemist, was robbed of Rs. 800 at Mombasa on the evening of March 2.

Cape Colony.

Customs Decisions have been given in reference to lacto-bacilline, lactone, and saucrin, which are dutiable at 25 per cent. *ad val.* A revised decision with regard to essence of rennet not containing more than 3 per cent. of proof spirit now places it on the free list.

Personal.—Mr. J. Austin-Thomas, J.P., chemist and druggist, Parow, leaves South Africa by the s.s. *Afric* on May 15 for a few months' holiday in England. Mr. Austin-Thomas, who will be accompanied by his wife, has not visited home since he left for South Africa seven years ago. Mr. G. T. Branch, chemist and druggist, will be in charge of the business during his absence.

Sheep-dips and the Stamp Act.—The "Cape of Good Hope Government Gazette" for March 9 notifies that from and after April 15 only such sheep or cattle dips (which fall within the definition of a patent or proprietary medicine) will be regarded as exempted from the tax on such medicines provided for in the Stamps and Licences Act, 1908, as purport, by advertisement or direction on the label of the receptacle, to be a remedy solely for scab, and in respect of which no reference is made on the label to any other medicinal qualities which the dip may possess or be claimed to possess.

Travellers' Licences.—The "Cape of Good Hope Government Gazette" of March 16 contains an official notification to the effect that a commercial traveller's licence will only cover the representation of a single firm, and that, if it is desired to represent other firms, a separate licence must be taken out in respect of each. The licences will be issued to the firm, but must bear the name of the individual representing them. If, however, owing to ill-health or death of the traveller or inability to proceed with the business, the firm desire to substitute another traveller, the Magistrate of the district or the Assistant Treasurer, Cape Town, will transfer the licence to the name of another traveller upon being furnished with satisfactory reasons for the transfer.

Orange River Colony.

Suspected Arsenical Poisoning.—An unfortunate occurence has taken place at the National Hospital, Bloemfontein. All the staff (excepting the non-resident Secretary and the Medical Officer, who is absent on leave) and a number of convalescent patients have been poisoned. Everyone affected partook of a certain meal, and there is but little doubt that arsenic had been placed in the food, doubtless by one of the native servants. Although ptomaine-poisoning has been alleged to be the cause, the matter is being investigated by the police and the public analyst. However, the authorities are extremely reticent. All except one of the sufferers were out of danger when the mail left.

O.R.C. Medical and Pharmacy Council.—A special meeting was held in Bloemfontein on March 5, when Mr. Reginald C. Streeten was appointed Secretary and Registrar to the Council. Mr. Streeten, who was formerly private secretary to his Excellency the Governor, practises in Bloemfontein as a barrister, and also holds the positions of official reporter to the Supreme Court of the Colony and Local Secretary of the South African National Organisation Union.—At the regular monthly meeting, held in Bloemfontein on March 12, a point of law was debated as to whether the official register of chemists and druggists of Great Britain could be accepted as a certificate of registration of a chemist. An applicant, who had come to South Africa, leaving his certificate in the Old Country, desired to obtain immediate registration in order to take over the management of a business. It was pointed out by a chemist member of the Council that the law makes a distinction between doctors and chemists: the former must submit their diplomas for approval of the Council, while the latter, "if holding a certificate, etc., shall be entitled" to registration; and the applicant in question, having submitted a sworn declaration that he is the holder of certificate No. 16,117, and is the person mentioned in the register, it seems doubtful whether the Council can refuse registration. It was finally decided to take the advice of the Attorney-General on the point. This incident indicates to chemists the necessity of taking their original certificate with them when going to South Africa, as otherwise registration is certain to prove troublesome, if not impossible.—Mr. Walter James Webb, chemist and druggist (Great Britain, 1905), was registered.

Transvaal.

A New Pharmacy.—Mr. D. S. Fleming has opened the St. James's Pharmacy in Eloff Street, Johannesburg.

Obtaining Medicines after Closing-hours.—Among the recent correspondence that has appeared in the "Transvaal Leader" are two letters dealing with the alleged difficulty experienced in obtaining medicine after the pharmacies have closed in Johannesburg. The first writer, on March 12, is a lady, who states that, in trying to get a prescription filled—

> I went up Pritchard Street quickly at 8.40 P.M., and knocked at the doors of four chemists, but could get no answers. I then tried two in Rissik Street, one in Bree Street, two in Market Street, and two in Commissioner Street—eleven in all. Some of these shops had directions to ring a night-bell for medicine. I rang five or six times or knocked for ten to fifteen minutes at each, and never had any answer.

When she eventually obtained the necessary requisites it was nearly midnight, and the patient—a child—had died in the meantime. A "Citizen," on March 16, states that he had a similar experience in trying to obtain some chlorodyne, but his efforts were in vain. As remedies to prevent such occurrences, he asks, "Cannot the Government refuse a trading licence until arrangements have been made, in each case, whereby they will supply urgent drugs at all hours," or "a central co-operative store with a drug department?"

Sale of Proprietaries Containing Poisons.—At the Johannesburg Police Court on February 26, Alexander Yule was charged, before Mr. Jordan, with selling to William Albert Stevens, better known as "King Sequah," four bottles of "Dr. Beck's Golden Drops," he not being a registered medical practitioner or chemist. The Assistant Government Analyst deposed that the "Golden Drops" contained a small quantity of strychnine and brucine, and the Public Prosecutor (Mr. Samuels) pointed out the word "Poison" on the label. The accused stated that he was a member of the firm of Hirsch, Loubser & Co., the agents for "Dr. Beck's Golden Drops," which was a well-known medicine manufactured and sold in Cape Colony. Witness was not aware that the remedy contained poison, and he undertook to destroy all the bottles in the firm's possession and stop the sale of it. The Public Prosecutor said the case was simply a warning against the medicine, which was not included in the list of "patent medicines" published in the "Government Gazette." The Magistrate accordingly dismissed the accused with a warning. "King Sequah" caused some amusement by asking

that the bottles found in his possession should be returned after emptying, as he wanted "to put hair-restorer in the bottles."

Pharmaceutical Society of Cape Colony.

The First Council-meeting under the new President (Mr. W. Froembling) was held at the Y.M.C.A. Rooms, Cape Town, on March 10. There were also present Messrs. J. Austin-Thomas, J.P., J. Sowden, G. Cleghorn, A. E. A. Tothill, J. Clayton Smith, and the Secretary. A vote of sympathy with Mr. H. R. Peck (a member of the Council) in a recent bereavement was carried in silence. The Secretary read letters from Messrs. Quenet (Worcester), T. Engels (Paarl), and the Editor of The Chemist and Druggist. The two former referred to the grievances of the country chemists, with which subject the Society are now dealing, and the latter related to importation of unstamped patent and proprietary medicines. The election of country councillors resulted as follows: C. E. Gardner (Port Elizabeth), G. W. Fowler (Mossel Bay), T. Engels (Paarl), J. A. Owen (Beaufort West), J. E. Miller (Grahamstown), and D. J. Davies (Caledon).

Pharmaceutical Society of the Transvaal.

The Annual Dinner of this Society was held at the Langham Hotel, Johannesburg, on March 12, with Mr. Austin Purnell (President) in the chair. Among the company of about sixty-five members and guests were the Mayor (Mr. C. Chudleigh), Dr. J. Van Niekirk, Dr. G. Ritchie Thompson (President of the Medical Society), Mr. R. G. Bevington (President of the Chemical, Mining, and Metallurgical Society of South Africa), and Mr. Cottrill (Vice-President Transvaal Dental Society), Mr. Jas. Johnstone (Vice-President), Messrs. B. Owen Jones, M.L.A., R. Butters, C. Keir, E. J. Adcock, R. Q. Leeds, A. E. Adams, E. L. Ralling, A. Rennie, A. S. Smith, J. Christie, A. Macdonald, L. Thomas, Geo. F. Pirie, D. L. Behrmann, W. B. Marshall, W. White, M. Lediker, W. Easterbrook, W. Fortune, J. Mitchell, H. L. Karnovsky, A. Sive, A. Stewart, J. A. Williamson, S. B. Warren, H. M. Potter, W. A. J. Cameron, H. M. Hetherington, T. Blezzard, W. J. Simpson, R. Neilson, W. H. Pearson, W. Reidford, F. R. Franks, H. Wheildon, R. McGeorge, W. C. McRobb, E. Snowden, H. Collins, John George, F. Jennings, W. B. Thom, E. Solomon, and S. M. Hendry (Hon. Secretary).

After the loyal toast had been honoured, the Mayor proposed that of "The Pharmaceutical Society of the Transvaal." He said that the Society, after existing for fifteen years, now included in their number almost every member of the profession in the Transvaal. However, he found when he went into a chemist's shop that all the goods appeared to be imported, and the men behind the counter appeared to be the imported article also. He felt they ought to raise their own goods and their own young men, and some provision should be made for South Africa's sons to be properly trained to become chemists in this country.

The President, in replying, said the main object of the Society was to protect the interest and welfare of their members, and he thought the past records showed that it had been done. They had not as yet the facilities for finishing the chemist's education, but he hoped that would be remedied in the near future, and the Society must endeavour to give the future apprentices and assistants every encouragement. Mr. E. J. Adcock, in giving the toast

"Our Country,"

which, he said, would soon extend from Cape Town to the Zambesi, expressed the hope that the draft Constitution would be accepted. Agriculture to-day was on a sound basis, and, thanks to a sympathetic Government, so was education. The Society should call a congress of South African chemists to form one Society, and he suggested that one of the first subjects for discussion would be a State-aided scheme to enable young men, would-be chemists, to be trained in order to qualify as chemists and druggists.

Dr. J. Van Niekirk responded. He said that as their diseases were common throughout South Africa so were their ambitions, and anyone who said he was not for union was not a friend of South Africa. Mr. James Johnston, in proposing the toast

"The Medical Profession,"

made a strong point of the present-day evil of prescribing proprietary remedies. He said the practice is bad for the patient, bad for the doctor, and bad for the chemist. Dr. G. Ritchie Thompson, who replied, was in a humorous vein, and sympathised with Mr. Johnston in his grievance.

Mr. E. L. Ralling, in toasting

The Pharmacy Board,

complimented the members of that Board and the Medical Board on their work. He wished to couple with the toast the name of the President, Mr. B. Owen Jones, M.L.A.

Mr. B. Owen Jones, in responding, referred to the difficulty experienced in obtaining assistants. In days gone by it was easy to fill the ranks of the chemists in this country from oversea, but that supply now appeared to be inadequate for the requirements of chemists there. The Poisons and Pharmacy Act would create a greater demand for qualified men and a higher rate of pay, so that there would be less inducement for men to go to South Africa. They should therefore endeavour to mould the young material in their own land. He was prepared to offer, if the Society took up the training of the chemists, a prize of a medal and of books for open competition among students of pharmacy attaining a certain standard of excellence. Mr. Lewis Thomas proposed "Our Guests," and Mr. R. G. Bevington replied. The last toast, that of "The President," given by the Mayor, was accorded musical honours. During the evening songs were rendered by Messrs. H. M. Hetherington, W. J. Simpson, J. Cooper, W. H. Pearson, and R. Neilson.

American Notes.

(From the "C. & D." Correspondent.)

The examinations of the Pharmaceutical Society of Great Britain are described in the "American Druggist" for March 22, and portraits are given of the examiners. The article is appreciative and somewhat critical, the non-recognition of the Irish diploma by the British authorities being pointed out as an anomaly which should be ended.

The New Opium Law.—Four hundred and thirteen boxes of opium, worth about $750,000 after the duty is paid in the United States, were brought to San Francisco from Macao by the Pacific Mail liner *China*, arriving March 23. It is the last legal shipment, for under the new law that went into effect on April 1 no opium other than for legitimate medicinal purposes will be admitted into the U.S.A. The new regulations stipulate that opium and its derivatives can only be imported through twelve of the larger ports in the U.S.A., and no others. Importation in quantities of less than 100 lb., or of morphine in quantities of less than 50 oz., or of codeine and other derivatives in less than 25 oz., is prohibited.

A Dinner was given in New York on March 31 in honour of Dr. H. Schweitzer, who on that date completed a quarter of a century of active scientific work. Dr. Schweitzer has been Secretary of the New York Section of the Society of Chemical Industry for the last fifteen years, and at the dinner the American Chemical Society, the Society of Chemical Industry, the Chemists' Club, and other bodies were represented. Professor C. F. Chandler gave an account of Dr. Schweitzer's career. He went to America in 1889, establishing himself as a consulting chemist, and eventually joined the Farbenfabriken of Elberfeld Co. in New York, to which he still gives his services.

"The Times" correspondent announced that the second stage of tariff legislation began on April 12, when the Senate Finance Committee reported their alternative Bill to that of the House of Representatives, which was passed on Friday, April 9. In a statement accompanying the alternative Bill, Mr. Aldrich, Chairman of the Committee, says its rates in general are lower than those in the Bill of the House of Representatives, the actual number of reductions being about three times the number of increases. Nearly 600 changes are said to have been made, and a considerable number of articles in common use have been taken off the dutiable list in the House Bill and restored to the free list, and in the chemical schedule the principal changes are in the nature of reductions below the House Bill. One of the most important changes is the putting of distilled and expressed oils upon the free list, and the Committee has also restored spices to the free list, where they have always been, as they are regarded as everyday necessities. It will be remembered that the House of Representatives proposed to tax spices 30 per cent. *ad val.* Cocoa has also been put back on the free list, the Committee believing that an article of such general consumption should no more be made dutiable than tea or coffee. The debate in the Senate will commence on April 15.

A Second Edition of "Greenish's Materia Medica" will be published by Messrs. J. & A. Churchill in May.

Legal Reports.

Trade Law.

Other Makers' Bottles.—At Monmouthshire Quarter Sessions on April 7, Joseph Cohen, aërated-water manufacturer, and Noah Cohen, draper, both of Tredegar, were each fined 20*l.*, under the Merchandise Marks Act, 1887, for bottling their aërated waters in bottles bearing the name of Thomas & Evans, Porth.

Guarantee to Cure.—The action Logan *v.* Campbell, just decided by Sheriff Gardner Millar in the Glasgow Sheriff Court, was an appeal from the decision of the Sheriff-substitute, who ruled that the pursuer's action was irrelevant, a judgment which the Sheriff has reversed. The pursuer had read an advertisement by the defender of a specific called Old Gipsy Ointment, sold by defender, which said: "Pain and itching banished with the first application or money refunded. Guaranteed to cure or forfeit 50*l.*" Pursuer purchased the specific, and it did not cure him, and he sued for the 50*l.*, plus 6*s.* expended by him. Sheriff Millar referred to the case of Cargill *v.* Carbolic Smoke Co., in which it was decided that a contract was established by an advertisement offering to the public a reward of 1,000*l.* in certain circumstances, and held that in the present case the defender intended the public to believe that he would pay a forfeit of 50*l.* to anyone who was not cured by his specific. His lordship allowed the case to go to proof, but as the question was a novel one, and of importance to large numbers of poor people who may be deluded by such advertisements, he granted leave to appeal.

Undischarged Bankrupts and Registration of Firms.—A recent bankruptcy decision again calls attention to the evils existing in the present state of the law and to the way in which creditors may be victimised with impunity. The case was a petition in bankruptcy, and was dismissed, the facts being briefly as follows: About twenty years ago one X was declared bankrupt. His business was sold by the trustee, and, through a relative, was acquired by his wife. There was no public record of this transfer. Thereafter the business was carried on under the style of X & Co., and X, the former bankrupt, was always identified with the business and was apparently at least a partner. At times his sons were also employed in it, and persons having business with the firm generally addressed themselves to him. A creditor, unaware of the true ownership of the business, commenced bankruptcy proceedings against the firm, and, a receiving order being made, it then appeared for the first time that the wife claimed to be sole owner of the business. She moved to set aside the bankruptcy proceedings on the ground that she was not so separately trading from her husband as to be amenable to the bankruptcy law, and that the receiving order had been obtained without her knowledge, the proceedings having been addressed to and served on her husband, who was her only manager. The present law on the subject is that a married woman carrying on business cannot be made bankrupt except when she is trading separately from her husband. This exception, however, is construed very strictly, and the mere fact of a husband (though an undischarged bankrupt) taking any part in the business is enough to place the married woman beyond reach of the bankruptcy law. The cases on this point Scott *v.* Morley and *re* Hanford were pleaded on her behalf, and it was admitted that no one outside her family and a few friends knew that she was in fact the owner, and also that she had no partner, and that there were no means by which the creditor could ascertain who, in fact, were the owners of the business. On hearing the evidence the Court found that the business belonged to the wife, but that according to the above authorities she was not trading separately from her husband. The petition was therefore dismissed. Other creditors, in ignorance of this case and of the facts which were then admitted, will probably take similar proceedings, only to be opposed by the same defence with heavy loss in costs. A register of firms would have warned the creditors and have prevented this result, and it would suppress many of the gross frauds now perpetrated. Such a register would not be entirely novel, as the principle is already recognized in the case of limited partnerships and moneylenders. The case is also typical of many that offer strong examples of the futility of the present law relating to undischarged bankrupts.

A Census will be taken in the German Empire this year of the existing pharmacies and pharmaceutical personnel, in view of further legislation on sanitary questions. The last census took place eleven years ago.

A Prussian Doctor who recently advised his patients to obtain their medicine in a certain pharmacy has received a caution based on the provisions of a Medical Edict issued on September 17, 1725, which forbids a doctor to recommend one pharmacy in preference to any other.

Bankruptcy Report.

Re James Edward Johnson Johnson, Crown Works, Stratford, Chemical Manufacturer.—Mr. F. E. Wright, 19 St. Dunstan's Hill, London, E.C., trustee of this estate, is applying to the Board of Trade for his release. In his statement affixed to the application the trustee states that the net realisations have been 466*l.* 7*s.* 2*d.*, the debtor's estimate of the amount expected to rank for dividend being 3,854*l.* 16*s.* 8*d.* The law costs other than the costs of petition have been 304*l.* 16*s.* 7*d.*, incurred in the course of proceedings in regard to preferential creditors, the cases being decided against the trustee. The cost of realisation has been 459*l.* 17*s.* 7*d.*, which, with 5*l.* allowed to debtor, leaves a balance of 1*l.* 9*s.* 7*d.*, which is reserved for closing expenses.

Deeds of Arrangement.

Hopewell, Edward William Frank, Westerfield, 20 Kempshott Road, Streatham Common, London, and Edward Benjamin Hopewell, 72 Boundary Road, Hove, trading as Henry Schilling & Co., at 9 Middle Street, Brighton, mineral-water manufacturers. Trustee, Mr. J. Baker, Eldon Street House, Eldon Street, London, E.C., C.A. Dated March 25, filed April 5. Secured creditors, 6,190*l.*; liabilities unsecured 1,409*l.*; estimated net assets, 1,631*l.* The following are among the creditors: W. J. Bush & Co., Ltd. (67*l.*); Barnett & Foster (25*l.*); Stevenson & Howell, Ltd. (22*l.*); and Spencer, Chapman & Messel, Ltd. (68*l.*).

Re William Gilmour (Lindsay & Gilmour), Chemist, Edinburgh.—The statement of affairs in this matter shows liabilities 2,371*l.*, assets (after deducting preferential claims) 667*l.* The following are trade creditors: Bentley & Son (8*l.* 1*s.* 3*d.*); London Essence Co. (9*l.* 1*s.* 4*d.*); S. Maw, Son & Sons (5*l.* 5*s.* 6*d.*); Odol Chemical Works, Ltd. (5*l.* 10*s.* 8*d.*); R. J. Reuter (31*l.* 9*s.* 7*d.*); Fassett & Johnson, Ltd. (5*l.* 7*s.* 5*d.*); T. & H. Smith, Ltd., Edinburgh (79*l.*); A. Kinross, Edinburgh (5*l.* 18*s.* 4*d.*); Dunean, Flockhart & Co., Edinburgh (6*l.* 1*s.* 4*d.*); Macfarlane & Co., Edinburgh (19*l.* 1*s.* 3*d.*); Mould & Tod, Ltd., Edinburgh (7*l.* 8*s.* 11*d.*); Bovril, Ltd., Glasgow (6*l.* 11*s.* 6*d.*); Raimes, Clark & Co., Ltd., Leith (26*l.* 11*s.* 5*d.*); York Glass Co., York (5*l.* 2*s* 3*d.*).

Gazette.

Partnerships Dissolved.

Saunders, C. B., and Jukes, B. C., chemists, etc., Basingstoke, under the style of Saunders and Jukes.

Worger, R. G., and Pratt, J., physicians, etc., Radstock, Somerset, under the style of Worger & Pratt.

The Bankruptcy Acts, 1883 and 1890.

Adjudications.

Evatt, Edward Pratt, Waterbeach, Cambs, physician and surgeon.

Lawton, William Dale, Moss Side, Lancs, late Gunnersbury Road, West Kensington, London, W., physician and surgeon.

Liquidations.

Bute Drug Stores, Ltd.—To be voluntarily wound up. Liquidator, Mr. William Jenkins, 30 Louisa Street, Cardiff.

Lord Mayor Sauce Co., Ltd.—To be voluntarily wound up. Liquidator, Mr. Frank Maish, 26 Marshalsea Road, Southwark, London, S.E. Meeting at the above address on April 19 at noon. Claims to be sent in on or before April 22.

New Companies and Company News.

The letters P.C mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

Wilsons Teeth, Ltd. (P.C.).—Capital 600*l.* Objects: To carry on the business of manufacturers and fitters of artificial teeth. The first subscribers are W. J. Huxtable, 176 High Street, East Ham, tobacconist, and A. J. Moyce, 4 Orchard House, Poplar, E., agent. The first directors are Miss F. Kaye and J. Benson. R.O., 188 High Street, North East Ham.

Knowles Oxygen Co., Ltd. (P.C.).—Capital 25,000*l.* Objects: To carry on the business of manufacturing, compressing,

liquefying, storing, and selling any gases by any process, etc. The first directors are Sir Alfred Hickinson, Bart., W. Evans, J. Marston, A. E. Knowles, F. Carr, C. T. Mander, and J. Marston. R.O., 13 King Street, Wolverhampton.

Burdin & Co., Ltd. (P.C.).—Capital 8,000*l.* Objects: To take over the business of Burdin & Co., glass-bottle manufacturers, Knottingley, York. The first directors are H. Burdin (chairman and managing director), I. Burdin, jun., and N. Burdin. R.O., Knottingley, Yorks.

Allen & Hanburys (South America), Ltd. (P.C.).—Capital 20,000*l.* Objects: To carry on in South America and elsewhere the business of chemists, druggists, and manufacturers, dealers in substances and preparations manufactured or sold by Allen & Hanburys, Ltd. The first subscribers are F. J. Hanbury, pharmaceutical chemist, W. R. Dodd, pharmaceutical chemist, and R. J. Hanbury, M.R.C.S., L.R.C.P. The directors for the time being of Allen & Hanburys, Ltd., are the directors of this company. R.O., Plough Court, 37 Lombard Street, E.C.

Weston Aplin, Ltd. (P.C.).—Capital 2,500*l.* Objects: To take over the business of a wholesale, retail, dispensing, analytical, and manufacturing chemist and druggist, manufacturer and distributor of packed goods, perfumery, toilet-articles, patent medicines, confectionery and grocers' and tobacconists' sundries, etc., carried on by I. W. Aplin at 60 High Street and Friernhay Street, Exeter, as "Weston Aplin" and "Weston Aplin & Co." The first subscribers are I. W. Aplin, chemist, and Mrs. M. K. Aplin, 24 Haldon Road, Exeter; W. R. Cocks, Exeter, solicitor; and H. Dadds, Exeter, foreman. I. W. Aplin is chairman and managing director. R.O., 7 Friernhay Street, Exeter.

The Federal Dispensary, Ltd., Kuala Lumpur, F.M.S.—The eighth annual report states that the directors are again able to record a most satisfactory year's business, notwithstanding the general depression in trade and the tightness of money. The net profit for the year is $16,566, and this with $820 brought forward makes a total of $17,387 at credit of profit-and-loss account. The directors recommend that a dividend of 15 per cent. be paid, absorbing $10,500, that the reserve fund be increased by $5,000, that a bonus be paid to the staff of $1,500, that the directors' remuneration be $300, and that the balance, $87, be carried forward. The directors also propose that out of the special reserve of $1,833 for bad and doubtful debts created in the previous year's accounts, the sum of $1,000 be transferred to the reserve fund, thereby making, with the $5,000 now proposed to be placed to reserve, a total of $24,000. The directors are able to report that they have been successful in making arrangements for the acquisition of the premises now in their occupation and of other lots adjoining on favourable terms, and that the necessary outlay can be met without calling up fresh capital.

Mortgages and Charges.—Particulars of the following have been filed at Somerset House: *Rivers, Hill & Co., Ltd.* Issue on April 2 of 1,000*l.* debentures. Trustees, W. Prueger and P. Birkett.—*Milburns, Ltd.* Outstanding on July 1, 1908, mortgage on 275 Anlaby Road, Hull, dated July 28, 1902, securing 700*l.*

Marriages.

Beech—Baldwin.—At St. John's Church, Tunbridge Wells, on April 14, Thomas Beech, pharmacist, Stockwell Road, London, S.W., to Lilian, youngest daughter of Mr. Baldwin, North Farm Road, Tunbridge Wells.

Breingan—Topping.—At St. James's Parish Church, Plumstead, on March 10, by the Rev. George Askwith, M.A., vicar, William Breingan, chemist, London, to Kathleen Jane, daughter of Mr. and Mrs. S. G. Topping, Plumstead, Kent.

Carter—Pearse.—At West Hampnett Church, near Chichester, on April 12, John Cox Carter, chemist and druggist, eldest son of Mr. R. Carter, Southampton, and manager for Mr. H. T. Escrett, 8 Acre Lane, Brixton, London, S.W., to Lilian, eldest daughter of Mr. Thos. Pearse, Exeter.

Ritchie—Fairley.—At Arkinholm Terrace, Langholm, on April 10, by the Rev. James Buchanan, minister of the parish, Andrew Wemyss Ritchie, chemist and druggist, Montrose, to Mary Douglas, second daughter of Mr. John Fairley.

Mr. Feedk. Finn, Canterbury, governing director of Messrs. Fredk. Finn & Sons, Ltd., grocers, chemists, etc., Canterbury, who died on January 21 last, aged seventy-six, left estate of the gross value of 49,886*l.* 7*s.* 4*d.*, of which the net personalty has been sworn at 37,468*l.* 19*s.* 1*d.*

Deaths.

Brunton.—At 10 Stratford Place, London, W., on April 14, after a long illness, Louisa, the beloved wife of Sir Lauder Brunton, Bart., M.D., F.R.S. Lady Brunton was the daughter of the late Venerable Edward Stopford, Archdeacon of Meath, and sister of Mrs. J. R. Green, the widow of the historian. She married Dr. Lauder Brunton in 1879 and had two sons and two daughters.

Dupuy.—At Guernsey, on March 20, Mr. Edwin S. Dupuy, chemist and druggist.

Ellis.—At Cardiff, on April 3, Mr. Charles Ellis, chemist and druggist, late of Thornbury, Glos., aged sixty.

Holloway.—At "Willersley," Park Hill Rise, Croydon, on Easter Sunday, April 11, Mr. Henry Driver Holloway, of Beddington House, Beddington, Surrey, aged seventy-eight. Mr. Holloway was the proprietor of the business of Thomas Holloway, 78 New Oxford Street, London, W.C., and was the brother-in-law of the founder. Mr. Driver assumed the name of Holloway on the death of Thomas Holloway in 1883. With Mr. (afterwards Sir) George Martin, who also assumed the name of Holloway, he was trustee of the Royal Holloway College, Egham, and Holloway Sanatorium, Virginia Water, which were founded by Thomas Holloway. Mr. H. D. Holloway has been an invalid for some years. He leaves a widow and family, two sons being engaged in the business. The funeral is to take place at Beddington Church on April 16.

Peck.—At 135 Kloof Street, Cape Town, on March 11, Audrey, infant daughter of Mr. H. R. Peck, chemist and druggist, aged three and a half months.

Robinson.—At Darlington, on April 3, Mr. Thomas Robinson, chemist and druggist, aged sixty-nine.

Thompson.—On April 6, Ronald Clay, youngest son of Mr. Charles Thompson, pharmaceutical chemist, Sparkbrook, Birmingham.

Tribe.—At his residence, New Road, Chatham, on Good Friday, Mr. William Tribe, chemist and druggist, aged ninety-three. The deceased was engaged in business in various places, and for many years was a partner in the firm Tribe & Lamb, chemists and druggists, High Street, Chatham. He spent several years in Australia.

Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

11/52. Makers of "Cravat" leather wrist-straps.

11/38. Makers of reels for fly-catchers (without gum).

11/61. Where can "Viscogen" be obtained? It is used in dairies.

11/23. Names of firms who make plates, paper, and postcards specially for photographic chemists, to sell under their own name.

Pharmacies in the German Colonies.—The "Pharm. Zeit." publishes information on the subject of the opening of pharmacies in the German colonies and dependencies. The right of granting a pharmaceutical licence is vested in the Governor of each district, who is responsible for the inspection of the pharmacies. Only persons authorised as pharmacists in Germany can obtain a licence in the colonies. Only such preparations are admitted for sale as are in conformity with the German Pharmacopœia. In the districts within the jurisdiction of the German Imperial Colonial Office there are at present only three private pharmacies—viz., one each in Daressalem, Tanga, and Apia (Samoa)—but in Schwakopmund, South-West Africa, the right to open a pharmacy has lately been granted to a German pharmacist. In Windhuk and Kleetmanshoop there are military pharmacies to supply the civil as well as the military population, and two drug-stores also have been opened. In the Kameruns, Togo, and New Guinea the State hospitals supply medicines at taxed prices.

Personalities.

Mr. D. E. Wilson, chemist and druggist, Hawick, has been elected a member of the local School Board.

Mr. Walter Code Hender, chemist and druggist, Plymouth, has been appointed indoor dispenser at Plymouth Union Infirmary.

Mr. R. T. Simpson, chemist, North Road, and Church Street, Lancaster, has been re-elected Secretary of the Lancaster Photographic Society.

Mr. Robert Wright, chemist and druggist, 189 Shields Road, Newcastle-on-Tyne, has been appointed an overseer of the poor for the parish of Byker.

Mr. Walter Thomas Hey, chemist and druggist, York, who died on February 8, left estate of the gross value of 5,518*l.* 19*s.* 10*d.*, with net personalty 144*l.* 4*s.* 1*d.*

Mr. W. J. Barnes, chemist and druggist, has been appointed an overseer of the poor and a member of the Borough Education Committee by the Dover Town Council.

Dr. William Harvey, L.R.C.P., L.S.A., late of Hackney, has returned to London after thirty-seven years' stay in Australia, and his name has been reinstated in the Medical Register.

The Hon. John McCall, M.D., the newly-appointed Agent-General for Tasmania, who left Hobart on March 13 in the P. & O. steamer *Moldavia*, is expected to take over the duties of his post on May 1.

Mr. Thomas Brewis, pharmacist, has been re-elected to the Portsmouth Board of Guardians; while at the same election the retiring Chairman, Mr. W. R. Fowler, pharmaceutical chemist, was defeated.

Mr. A. F. Corfe, Ph.C., has been appointed an Overseer of the Borough of Maidstone. On the same date (April 12) he was elected people's warden at All Saints' vestry meeting, in succession to his father, Mr. F. Corfe, who had held the position for seven years.

Mr. E. F. Coleman, late of Wolverhampton, and for the last seven years head dispenser to the Taunton and Somerset Hospital, has joined the staff of Messrs. Thomas Pettifer & Co., Ltd., veterinary medicine manufacturers, Eydon, Banbury, as chemist.

Mr. F. G. Acton, chemist and druggist, Cornmarket, Worcester, took his seat on the local City Council on April 6. He was appointed on the Cemetery and Markets Committees, and elected one of the Council's managers of the British Undenominational School.

Mr. W. H. Goy, dispensing and photographic chemist, 17 Battersea Rise, Clapham Common, London, S.W., has been awarded a silver plaque for the best picture in the exhibition organised by the West Surrey Photographic Society. The photograph was entitled "In the New Forest."

Mr. Clement J. Wain, Ph.C., was, on April 7, unanimously elected an Alderman by the Newcastle-under-Lyme Town Council. Mr. Wain was the senior Councillor, having served without interruption since 1894. An appreciation of Alderman Wain appeared in the "Newcastle Guardian" on April 10.

Mr. Walter Neild, chemist and druggist, the manager of the West Street branch of Messrs. Hodder & Co., Ltd., Bristol, is leaving shortly for Birmingham. Mr. Neild, who has been with the firm for over eight years, was entertained to supper at the Dolphin Café, Bristol, by his colleagues and presented with a handsome smoker's cabinet as a token of their high esteem.

Mr. A. W. Halsted, pharmaceutical chemist, has been returned to the Shepton Mallet Urban District Council. Mr. Halsted commenced his public service two years ago. He has served on various committees, including the Emergency Hospital Committee and the Museum Committee, and he also takes an interest in sewage schemes, his professional knowledge serving useful purposes in connection with his public duties.

Mr. P. L. Smith, chemist and druggist, having completed his five-years' agreement with Messrs. North & Rae, Ltd., chemists, Yokohama, sailed on the *Atsuta Maru* for London on March 24. Prior to his departure Mr. Smith was entertained to a dinner by the numerous friends made during his sojourn in Yokohama. His successor is Mr. Donald T. Runciman, chemist and druggist, who arrived in Yokohama on March 23.

Mr. E. T. Neathercoat, pharmaceutical chemist, Weybridge, who is a candidate for a seat on the Council of the Pharmaceutical Society at the May election, prints his address in the Coloured Supplement of this issue.

Mr. Thomas J. Wise, of Messrs. Rubeck & Co., Mark Lane, London, E.C., is the owner of a remarkable library of rare books (the "Ashley" library), an account of which was given in the *C. & D.* some years ago. "The Bibliophile" for March devotes about a dozen pages to the library, prefacing the article with an excellent portrait of Mr. Wise, and including reproductions of several title-pages, proof corrections or MSS. of works by Tennyson, Meredith, Keats, and Shelley.

The following pharmacists have been elected to serve on their Urban District Councils:

Mr. W. E. Goff, Dartford.
Mr. J. W. Mainprize, Otley.
Mr. J. G. Twigg, Withernsea.
Mr. H. S. Page, Saxmundham.
Mr. A. Bond, Newquay (Cornwall).
Mr. D. I. Williams, Llanwyrtyd Wells.
Mr. J. B. Wilson, 95 High Street, Dorking.
Mr. W. Maskew, F.S.M.C., Clacton-on-Sea.

On April 4 Mr. Richard Woodgate, manager for Messrs. William Edwards & Son, 157 Queen Victoria Street, London, E.C., completed fifty years' service with the firm. To mark the occasion Mr. William Edwards presented Mr. Woodgate with a handsome solid-silver tea-tray, upon which was inscribed: "Presented to Richard Woodgate by his friend William Edwards, in grateful appreciation of long and valued service rendered to the firm of William Edwards & Son, 1859-1909." The presentation took place on April 2 in the presence of the heads of the departments, when Mr. Edwards made appropriate reference to the occasion and Mr. Woodgate as suitably replied. It was in 1859 that Mr. Woodgate, who had not long left school, entered the service of the firm as a junior clerk, the business being then in St. Paul's Churchyard. After six years the firm moved to Old Change, and subsequently to the present address, being one of the first to occupy business premises in what was then a newly constructed street. It was during the Old Change era that Mr. Woodgate was called upon to take charge of the warehouse, owing to the sudden illness of the chief warehouseman. Subsequently the position of traveller in the Eastern Counties was filled temporarily, and in 1871 he began a sixteen-year turn on the road, where he became acquainted with a large number of chemists in business, and many who were on the threshold of their career remember the words of encouragement they received during that period of Mr. Woodgate's life. Being of a particularly cheerful disposition, Mr. Woodgate was always well received, and made numerous personal friends among the firm's customers. In 1887 he was appointed manager of Messrs. Edwards' business, succeeding Mr. Fitt, who had held the position for three years. It is interesting to note that Mr. Fitt's predecessor, Mr. Henry Woodall, celebrated his jubilee with the firm before his retirement, a presentation being made to him at the time by the late Mr. William Edwards, father of the present head of the firm. Mr. Woodgate is happily married, and has seven sons and daughters and three grandchildren. His hobby is Masonry, and he is connected with several lodges and is a Past-Master of his mother-lodge, the Selwyn 901.

Trade Notes.

Is your stock of Guy's tonic right for the demand that makers are creating? A reduced facsimile of a page in the "Daily Mail" of April 13 dealing with the tonic is printed in our advertisement section this week.

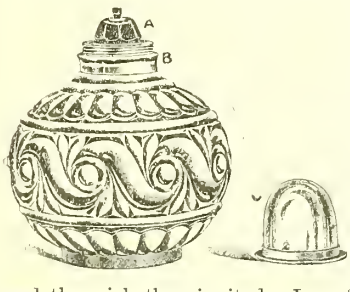
Ampoules.—Messrs. F. H. Taylor & Sons, New Wharf Road, King's Cross, London, N., give particulars of the sizes and prices of empty ampoules in the advertisement pages of this issue. The advantages of ampoules are also set forth.

Nursing Exhibition.—Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have an exhibition of their products at the Grafton Galleries this week. A neat catalogue and guide is published describing the goods shown, some of the illustrations being in colour.

New Showcard.—Messrs. A. Rowland & Sons, 67 Hatton Garden, London, E.C., have sent us a copy of a new showcard which has been produced for them by a well-known Paris house. The card is in colours, and represents a lady being attended by her maid. On the dressing-table are capital representations of the well-known specialities of Messrs. Rowland—Macassar oil, "Odonto," and "Kalydor." The card measures 18 in. by 13 in. and is an attractive production. Any chemist who desires to have a copy can do so on addressing a request to the firm.

"Woltat" and "Strobin"—The advent of warmer weather, coinciding with the Easter holidays, afforded an opportunity for two sufferers from hot and tired feet to try Dr. Breslauer's foot-shampoo "Woltat" with surprisingly successful results. An experimenter of each sex, both complaining of tender feet, shampooed them twice during the holidays, and indulged in six- to ten-mile walks daily over rough Yorkshire country roads and moors without any discomfort, a fact which was a welcome surprise for the users. Each 3*d*. packet is sufficient for two foot-baths (or four hand-baths), making a saponaceous solution with an agreeable fragrance. Messrs. Thomas Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C., are the agents, and supply "Woltat" powders, in cartons containing one dozen, at 18*s*. per gross. "Strobin" is another of Messrs. Christy's seasonable articles, which is used when last season's straw hat, in the interests of economy, requires renovating. Attractively coloured boxes, containing respectively thirty and sixty 3*d*. packets of "Strobin," cost 4*s* and 7*s*. 6*d*. each, and showcards and dummies are supplied with each box.

The "Hygiene" Lamp.—Messrs. Roberts, Cornford & Co., 8A City Road, Finsbury Square, London, E.C., are the manufacturers of this clever new lamp for disinfecting or perfuming rooms or other apartments. It is essentially a spirit lamp, the wick (B) of which terminates in a stellate-formed composition top or burner (A). The antiseptic fluid or perfume is mixed with methylated spirit, the lamp filled with the mixture, and the wick then ignited. In a few minutes the top (A) is red hot; then the light is blown out and the top continues to vaporise the liquid without the slightest fear of fire, so that the lamp may be left in a closed apartment with perfect safety. When the cap (C) is placed over the top it immediately begins to cool. The lamp retails at 5*s*. 6*d*., and the antiseptic fluid at 1*s*. a bottle (sufficient to mix with a pint of methylated spirit and to disinfect 1,800 cubic feet of air-space). The fluid contains formaldehyde, and it is notable that this efficient disinfecting body is also generated when the mixed fluid is decomposed by the hot top (A). The firm also supply an antiseptic perfume fluid to retail at 1*s*. 6*d*. per bottle. Pharmacists will appreciate the value of the lamp, both for private and public use, and the directions in which it may profitably be exhibited.



Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(*From the "Trade-marks Journal," March* 31, 1909.)

"Miriam," and picture of dancing-girl; for a farinaceous food (42). By H. H. Redgrave, St. Paul's Vicarage, Burslem. 305,656.

"Waiter"; for food-substances (42). By W. Deacon, High Street, Bridgwater. 310,182.

"Jellso"; for all goods (47 and 48). By C. E. Green, 49 Hatton Garden, London, E.C. 310,037, 310,038.

"Relorita," and label device; for hair-washes (48). By Richard Spaeth, Postplatz 18, Ravensburg, Württemburg. 307,363.

"Goodwin's, Manchester," and circular label with monogram; for soap (48). By C. C. Goodwin, Ordsall Lane Soap Works, Manchester. 310,232.

"Kash-yan"; for perfumery, etc. (48). By H. Kuntzen & Co., 92-6 Bishopsgate Street Without, London, E.C. 310,275.

"Briolets"; for perfumery, etc. (48). By Thomas Kerfoot, Oldham Road, Bardsley, Ashton-under-Lyne. 310,744.

Picture of giraffe and tree with fruit, with the words "At the top of the tree"; for polishes (50). By Giraffe Polish Co., 24 St. Enoch Square, Glasgow. 309,528.

(*From the "Trade-marks Journal," April* 7, 1909.)

"Cosmos"; for all goods (1). By Badische Co., Ltd., 2 Samuel Ogden Street, Manchester. 307,579.

"Ragosine," and triangular label design with oak device and "Roy Oak Brand"; for manufacturing chemicals (1). By Ragosine & Co., Ltd., Albion Wharf, Bow, London, E. 305,835.

"Belgravia," in three circles, and dragon device; for damp preventive preparations (1). By M. Snaith & Sons, 10 Belgrave Gate, Leicester. 309,208.

"Cerasine"; for dyes (1). By L. Casella & Co., 50 Feuerbachstrasse, Frankfort-on-Main. 310,194.

"Carola"; for enamel (1). By Craig & Rose, Ltd., 47-48 Bankside, London, S.E. 310,326.

"Olo"; for embrocations (2 and 3). By F. H. Mowbray, St. George's Market, London, S.E. 310,000, 309,939.

"Fumigen"; for chemicals (2). By Strawsons & Co., 71A Queen Victoria Street, London, E.C. 311,195.

"Viox"; for medicines (3). By Angus MacPhee, Sutton Road, Muswell Hill, London, N. 309,188.

"Santolac"; for milk-preparations (3 and 42). By W. Thorp, Vico Road, Dalkey, co. Dublin. 310,094, 310,095.

"Ad"; for distilled water (3 and 42). By Salutaris Water Co., 236 Fulham Road, London, S.W. 310,320, 310,321.

"Pimplets"; for tablets and pills (3). By W. B. Cartwright, Ltd., Dewsbury Road, Leeds. 310,417.

"Marabaz"; for an ointment (3). By Herbert Terry & Sons, Lodge Road, Redditch. 310,544.

"Codella"; for a cod-liver oil preparation (3). By Alex. Thom, Quarry Road, Airdrie. 310,581.

"Analax"; for medicinal chemicals (3). By R. Demuth, 31-32 Budge Row, London. 310,716.

"Puribol"; for medicinal chemicals (3). By William Gossage & Sons, Ltd., Widnes. 311,020.

"Formigator"; for fumigating-apparatus (11). By the Sanitas Co., Ltd., Loeksley Street, London, E. 310,914.

"Hermann," and label device; for metal bottle seals, etc. (13). By J. Hermann, 90 Mitchell Street, Glasgow. 306,932.

"Christia"; for prepared silk used in dark-room illumination (31). By Thomas Christy & Co., Old Swan Lane, London, E.C. 310,825.

Picture of St. George and the Dragon; for indiarubber goods (40). By the Gorton Rubber Co., Ltd., Openshaw, Manchester. 310,706.

"Leandor"; for prepared food (42). By K. Arthur Behenna, 38 Markham Square, London, S.W. 309,450.

"Ye Olde 'Abbot' Sauce"; for sauce (42). By D. H. Denham, 12 Sigdon Road, Hackney, London, N.E. 309,693.

"Coofoo"; for all goods (42). By Liverine, Ltd., Fraser Street, Grimsby. 310,122.

"Briolets"; for food substances (42). By T. Kerfoot, Bardsley, Ashton-under-Lyne. 310,742.

"Remuvepine"; for detergents (47). By Holzapfels, Ltd., Dean Street, Newcastle-on-Tyne. 310,998.

Agricultural and Horticultural Poisons.

SECTION 2 of the Poisons and Pharmacy Act deals with the sale in Great Britain and Ireland of

> poisonous substances to be used exclusively in agriculture or horticulture for the destruction of insects, fungi, or bacteria, or as sheep-dips or weed-killers which are poisonous by reason of their containing arsenic, tobacco, or the alkaloids of tobacco.

These may only be sold in Great Britain by registered chemists and druggists, pharmaceutical chemists, and limited companies, or partnerships in Scotland trading under the provisions of Section 3 of the Act, or by persons specially licensed by a local authority. In Ireland registered druggists may also sell the substances, and persons specially licensed by a local authority. Provisional rules for the granting of the licences were gazetted by the Lord Lieutenant and Privy Council in Ireland, and reprinted in the *C. & D.*, April 3, p. 520, and regulations applicable to Great Britain have also been gazetted, and were reprinted in the *C. & D.*, April 10, p. 558. Under the latter it is necessary that

> Before sending an application for a licence to the local authority the applicant shall publish notice of his intention to apply in two newspapers circulating in the district of the local authority, and shall also send notice by registered post to the Chief Officer of Police of the Police area within which his premises are situate.

In accordance with this the following

Notices of Application.

have been lodged with the local authorities of the towns or districts named :

Blairgowrie.—David Adamson, agents for the trustees of the late William Kirkwood, Robert McJannet, jun., and John F. Grant, Rattray, all ironmongers and seedsmen.

Edinburgh.—Thirteen firms of seedsmen, nurserymen, and florists.

Glasgow.—Thomas Wylie & Co., 98 Mitchell Street; Austin & McAslan, 89 Mitchell Street; Alexander Cross & Sons, Ltd., 19 Hope Street; Kerr & Co., 63 Queen Street; Williamson, Gemmell & Co., 263 Argyle Street; Andrew Cunningham, 55 Hope Street; William Leighton, 36 Renfield Street; D. G. Purdie, 6 Waterloo Street; Smith & Simons, Ltd., 36 West George Street; M. Gray & Co., 13 George Square; Pringle & Alexander, 17 Waterloo Street; Francis Henderson, Ltd., 79 Candleriggs (all seedsmen or nurserymen or both); R. & A. Campbell, wool brokers, 40 Hydepark Street; Crawford, Cree & Lawries, wool brokers, seed and manure merchants; Reid & Robertson, wool merchants and sheep-dip manufacturers, 24 Hydepark Street; McNair & Brock, wool merchants, 34 Ann Street; Robert Ramsey & Co., Ltd., hide, skin, wool, and tallow manufacturers, 33 Greendyke Street; J. & W. Greig, wool brokers and dip merchants, 99 McAlpine Street; F. H. McLeod & Sons, wool brokers and sheep-dipping agents, 61 Bishop Street; John Wallace & Sons, Ltd., agricultural implement makers, etc., Graham Square; Carruthers, Son & Co., sheep-dip agents, 62-78 King Street, Tradeston.

Haddington.—Brown & Murray, William Davie & Co., and Phail & Allan, all ironmongers.

Lanark.—William McMorran, 92 High Street, ironmonger and seed merchant.

Liverpool.—Bees, Ltd., Mill Street.

London.—Harrod's Stores, Ltd., Brompton Road, S.W.; Howcroft & Watkins, seedsmen, etc., 2 Miles Lane, London Bridge, E.C.

Oxford.—Mr. Archibald Smith, seedsman, Market Street, Messrs. R. Tucker & Son, florists, Magdalen Street, and another applicant not named.

Selkirk.—Robert Tait, 11 West Port, ironmonger.

Stirling.—W. Drummond & Sons, Ltd., Virtue & Co., Wm. Somerville & Valentine, Graham & Morton, D. & J. McEwan & Co., James Gray & Co., David Somerville.

Consideration of Applications.

The following paragraphs refer to the procedure before local authorities, or other matters appertaining to licences :

Boston.—The local chemists have petitioned the Town Council not to grant any licences, as the present facilities are sufficient for the public needs.

Bristol.—The fees payable for poison-licences were fixed by the Watch Committee on April 7 at 5*s.* for a licence and 1*s.* for a renewal.

Burton-on-Trent.—Dr. James M. Cowie, medical officer of health, is to be the officer charged with carying out the provisions of the Act. The fees fixed are: Grant of licence 2*s.* 6*d.*, renewal 1*s.*, inspection of or extract from register 6*d.* Five local chemists informed the General Purposes Committee of the Town Council that they are prepared to supply at lowest prices all agricultural and horticultural poisonous preparations, and they hoped that no licences would be granted. The Committee resolved to inform the chemists that in granting licences the regulations made under the Act provide that preference shall be given to nurserymen, etc.

Canterbury.—The Watch Committee reported to the Town Council on April 7 that after hearing Taylor Bros., seedsmen, in support of a licence (*C. & D.*, March 13, p. 418), it was decided that the licence should be granted, but as the regulations directed that fourteen days' notice by advertisement should be given by applicants, the Council again referred the matter to the Committee.

Carlisle.—At the monthly meeting of the Town Council on April 13, Mr. T. Ridley, chemist and druggist, moved that the administration of the above Act be delegated to the Watch Committee instead of the Health Committee, as at present. Mr. Ridley stated that his object in bringing the motion was twofold. In the first place he desired that the members of the Council, who, he was afraid, did not know much about the Act, should read it for themselves, as well as the regulations issued by the Privy Council, and, secondly, to point out why the Watch Committee were the proper authority. The matter was not a question of public health, but of public safety, public control, and public protection. The administrative duties arising out of the Act were very similar to duties already discharged by the police. They had to administer the Explosives and Petroleum Act, and their duties in connection with this new Act would be very similar. Mr. Harker then quoted from the *C. & D.*, April 10, p. 567, a portion of the speech of Mr. R. Winfrey, M.P., dealing with the former wholesale breaking of the law regarding the sale of poisons and the decision of the Peterborough Town Council not to grant any poison-licences. Mr. Dalton hoped that the Watch Committee would recognise that it was not the intention that the Act should be confined to the business of chemists pure and simple, but also to manufacturers of sheep-dips, etc., for agriculturists. The Town Clerk having explained the reason for reporting to the Health Committee on the Act, the motion, with a slight amendment, which Mr. Ridley accepted, was agreed to *nem. con.*

Dalkeith.—Several letters have passed between the Town Council and the local chemists and the resident Secretary in Scotland of the Pharmaceutical Society regarding the issuing of licences. At a meeting of the Council on April 12, a further letter was read from Mr. J. Rutherford Hill, drawing attention to the regulations of the Privy Council, and giving the names of the registered chemists in Dalkeith, and stating that the need for granting any licences to other persons did not arise. Mr. Hill also pointed out that the licences granted to three seedsmen in the district were invalid. The Town Council agreed that these licences should be confirmed, "as it was not thought reasonable that the monopoly should be given to chemists."

Dover.—An application for a licence has been deferred pending a report from the Town Council as to the working of the Act. The Town Clerk has received several letters on the subject.

Dunfermline.—The Magistrates considered on April 2 an application for a licence by Messrs. Livingstone & White, seed merchants, and it was decided, with two dissentients, to recommend that the application be refused, "on the ground that the reasonable requirements of the public with regard to the purchase of the substances referred to will be amply satisfied by their sale in the nine existing druggists' shops in town."

Folkestone.—Licences have been refused to an ironmonger and a firm of florists as the Town Council felt that the "reasonable requirements of the public" are already met. The chemists of the town had written stating that there is no need to issue licences.

Gillingham (Kent).—The chemists of the town have asked the Town Council not to issue any licences. The Council decided to consider the matter when a licence is applied for.

Glasgow.—The Magistrates Committee of the Corporation, at a special meeting, dealt with poison-licences after hearing an explanation by the Town Clerk of the regulations regarding them. A letter from the Secretary of the Glasgow and West of Scotland Chemists' Association enclosing a list of legally qualified vendors of poisons within the Corporation's jurisdiction was submitted to the magistrates. The communication stated that these chemists have intimated that they already supply, or are prepared to supply, at the usual current prices, all poisonous substances for use in agriculture or horticulture, and that as the list shows that there are at least 132 open shops in the area for the vending of all kinds of poisons, it would appear that "the reasonable requirements of the public" are met, and that the occasion for granting

of licences does not arise. A letter on similar lines was also read from the Resident Secretary in Scotland of the Pharmaceutical Society. The Committee then agreed to the following fees: Licence 10*s.* 6*d.*, renewal 2*s.* 6*d.*, inspection or extract from register 1*s.* It was also agreed that the Medical Officer of Health be associated with the committee, and that it be remitted to him to see that there is due observance of the regulations and provisions regarding poisonous substances under the various Acts. A list of twenty-one applications received for licences is given on p. 594. The Magistrates recommend to the Corporation that the licences be granted to these firms, being satisfied that they are fit to be entrusted with the sale of these substances.

Macclesfield.—A memorial has been received by the Town Council from Mr. Sydney Wild, 76 Mill Street, the Divisional Secretary, asking that no licences should be granted, as the number and distribution of chemists amply meet the demands of the public. Mr. W. R. Brown expressed regret that the letter had been sent, as it would be time enough to write when a licence was applied for. He thought it was somewhat selfish on the part of chemists to want to deprive other tradesmen, such as florists, from selling substances which were closely associated with their business, and which they had hitherto sold. Accordingly, if an application were made he would support it on these grounds. It was decided that the letter should lie on the table.

Nelson.—Mr. James Alton, 77a Leeds Road. Application for licence deferred for a month pending inquiries.

Oxford.—The City Council, on April 7, considered the report of the General Purposes Committee on two applications for licences. The committee, "being of opinion that the reasonable requirements of the public with respect to the purchase of such poisons are satisfied, recommended that the licences be not granted." Mr. Underhill, in moving an amendment that the licences be granted, said that the majority of one by which the committee's resolution was carried did not represent the feelings of the majority of the Council. He then alluded to the first and second of the official regulations (regarding the fitness of the applicant and the preference to be shown to nurserymen, etc.), and stated that, previous to the Act, the only way to procure poisonous substances was to take the order to the manufacturers who sent them direct. Mr. G. Claridge Druce thereupon pointed out that the procedure had been an evasion of the law. Mr. Underhill, continuing, said that might have been the case, but 95 per cent. had been supplied through seedsmen, and people who wished to destroy pests on their plants would naturally go to the seedsman, who is an expert in the matter. It seemed to him that the risk to the public was not a question to be considered by the Council. He contended that Parliament had deliberately passed the Act knowing well what the risk was, and told them to give preference to seedsmen in granting licences, and in refusing them they were practically victimising these tradesmen. Mr. Brooks, in supporting the amendment, said that if they were satisfied that the applicants were fit and proper persons, they had no option but to grant the licences. Mr. Druce pointed out that Sub-section 2 of Section 2 of the Act materially altered the case, and the Town Clerk, having read this "reasonable requirement" condition, said that they would notice that such was what the Committee reported to be the case in Oxford. (Hear, hear.) In connection with Mr. Underhill's remarks Mr. Druce pointed out that the regulations were only directory, and had to be read in connection with the Act. The Council had to satisfy themselves that the reasonable requirements for buying these things were not satisfied in the particular locality in which the applicant was in business. They were only discussing the general question as to whether the Council were willing to entertain applications from the particular persons whose names were before them. The committee had a petition from the local chemists before them, pointing out that the reasonable needs of the public as regards poisons were already met. Mr. Druce said he had no pecuniary interest in this matter, but he had been in close touch for many years with the examination of people who could lawfully sell poisons. There had been an extraordinary evasion of the terms of the Act, and only 5 per cent. of these poisonous substances bought were sold by those whose education was directed to the careful management of them. There had been distinct disadvantages in country districts where there was no chemist to sell them a sheep-dip or a weed-killer, and this had been the argument before the House of Commons. Obviously there were plenty of registered chemists in Oxford who were responsible for the sale of poisons. A person would be able to get a large portion of poison in sheep-dip if licences were granted to florists, etc., without the precautions taken by chemists in selling a much less quantity. Mr. Gray said it appeared that the chemists were trying to establish a "corner in poison business," and it was a case "of protection pure and simple" in one trade desiring a monopoly of that particular class of goods. After questions regarding the keeping of poison-registers by licensees, during which Alderman Clayton asked, "Where would they stop? Would they license an ironmonger who sold a garden-roller?" Mr. Pargiter said: "I understand that the florist is not qualified by examination to deal with poisons as intelligently as the chemist," and the Town Clerk replied: "That is Mr. Druce's point." Mr. Cooper then asked if the several applicants would have to appear before the Council. The Town Clerk said: "You surely are not going to get the applicants to go through all the necessary formalities and then refuse particular gentlemen." On a division being taken the Committee's resolution was negatived, Mr. Underhill's amendment being adopted by twenty-seven votes to seven.

Walsall.—The Watch Committee of the Town Council are to carry out the duties under the Act. All persons in the borough who have hitherto been in the habit of selling agricultural and horticultural poisons are to be licensed for a period of three months.

Wrexham.—Two more applications for licences have been received from Messrs. Strachan & Evans, seed merchants, and Rogers & Jackson, ironmongers (*C. & D.*, March 13, p. 418). On April 8 the General Purposes Committee of the Town Council decided to hear Mr. Downes Powell on behalf of the local Chemists' Association. Previous to Mr. Powell being called, the Town Clerk said that the applicants had not had an opportunity of complying with the regulations, which he himself only received on April 5. On Alderman Williamson saying that the applicants had sold these poisons all along, Council Rowland pointed out that if they had done so it was contrary to the law, and the Act was only intended to be made use of in sparsely populated districts, where the facilities for obtaining poisons were few. Councillor Taylor stated that if the matter were deferred for a month the season for the sale of the preparations would be nearly past, the Chairman adding, "Yes, it's robbing them of the best season of the year." Mr. Downes Powell, on being called, asked the Committee not to grant any licence before having heard a deputation from the chemists. The matter was eventually deferred for a month.

Excerpts from the Press.

An editorial comment in "The Grocer" for April 10 deals with the gazetted regulations, and states:

> It is apparent that these stringent regulations will greatly check the sale of the articles affected by retail grocers, many of whom, in country districts, had anticipated a considerable trade in such goods. . . . Between the registered chemist on the one side and the nurseryman on the other there will be little room left for the grocer in country districts who desires to deal in poisonous substances.

Messrs. Robert P. Ker & Sons, seedsmen and nurserymen, Barnett Street, Liverpool, wrote a letter to the "Liverpool Post and Mercury" relating to the article quoted in the *C. & D.*, April 10, p. 549. After stating that the article was somewhat misleading, as poisonous insecticides, etc., have been almost entirely sold by seedsmen for the last twenty years, and not by chemists, the firm say:

> The pharmacists state that they meet the public want. We should like to know how many chemists in Liverpool have within the last two months received their first sample consignment. We have it from the manufacturers that they have been inundated by inquiries from chemists to supply sample tins to enable them to prove that they have met the public demand, and so bamboozle the various Councils, and defeat the principles of the Act.

It is also stated that it is the practice of chemists to break bulk and sell poisons "in very small quantities in insecure packages, thereby causing grave danger to the public."

Mr. G. V. C. Last, the Hon. Secretary of the Liverpool Chemists' Association, has since replied to Messrs. Ker's letter, stating that the Departmental Committee, after considerable inquiry, recommended, not without hesitation, that poisonous substances used solely for agricultural and horticultural poisons might be sold by licensed persons under stringent regulations in certain rural districts where no pharmacist was to be found within reasonable distance. It was never contemplated, he says, that licences would be granted in towns. Finally, he says:

> Persons who have been breaking the law by selling these poisons for many years past cannot well argue that they have vested interests in the matter.

At the Worcestershire Quarter Sessions, on April 5, the Chairman (Mr. J. W. Willis Bund), in charging the grand jury, referred to the new Act, which, he said, was of great importance to the agricultural community. A certain amount of inconvenience would be caused to people selling insecticides and other poisonous substances, because, though the Act came into force on April 1, the County Council would not make rules or deal with the applications for licences until the Order in Council had been issued.

Pharmaceutical Society of Ireland.

COUNCIL-MEETING.

A MEETING was held in the Society's House, No. 67 Lower Mount Street, Dublin, on Wednesday, April 7, at 3 P.M., Mr. John Smith (President) in the chair. There were also present Dr. Walsh, Messrs. Batt, George D. Beggs, J. H. Bowden, William J. Hardy, William Jamison (Belfast), James Tate, David M. Watson, and W. F. Wells.

Reduction of Fines.

The Registrar read a letter from the Assistant Under-Secretary for Ireland, Dublin Castle, stating that if the Council desired to make any representation in writing to the Lord Lieutenant as to any matter arising under the Pharmacy Act it would be considered, but that it was not the practice of his Excellency to receive deputations in reference to matters dealt with by him under his prerogative.

The President said this letter had reference to a deputation which the Council had proposed to send regarding the reduction of fines imposed by magistrates on persons who had been convicted of breaches of the Poisons and Pharmacy Acts. The Council had made frequent representations to the Lord Lieutenant before in reference to the matter, and it was a question now whether it was worth while for them to write again on the subject.

No action was taken on the letter.

Poison licences.

An informal discussion took place in reference to the Provisional Rules which have been issued under Section 2 of the Poisons and Pharmacy Act. It was recognised that some of the points which the Council had put forward were embodied in the regulations; but the general opinion was that there was still room for improvement, especially in reference to the notification of applications for licences under the new Act being sent by the licensing authorities to the Registrar of the Society. The Registrar stated that he had sent out 748 circular-letters to pharmaceutical chemists, chemists and druggists, and registered druggists known to be keeping open shops for the sale of poisons, requesting them to state whether they were in a position to meet the reasonable requirements of their districts for the supply of weed- and insect-killers; and to these he had only received twenty-three replies.

Other Business.

A letter was received from Dublin Castle approving of the appointment of Mr. James Moles, B.L., as a Preliminary examiner.

Mr. William N. Allen was re-elected Examiner for the practical pharmacy division of the Licence examination, and Mr. Fawcett Maxwell was re-elected Examiner for the Pharmaceutical Assistants' examination.

A report was read from members of the Council who had been deputed to visit the School of Scientific Method and Chemistry kept by Mr. S. Templeton in Botanic Avenue, Belfast. At a former meeting of the Council a resolution had been passed to the effect that this school should be reinstated in the list of schools from which certificates are accepted by the Council, provided it should be found by the deputation that the instruction given in it is such as to meet the requirements of pharmaceutical students. The report of the visitors was entirely favourable as to the nature of the instruction given in the school.

Mr. Hardy: We were in the school on Monday. It is an excellent place and very good as far as the pharmaceutical department is concerned.

An order was made that the school should be reinstated in the list.

Other business having been disposed of, the Council separated.

Dr. Lewkowitsch's book on "Oils, Greases, and Waxes" is being published in French by Dunod & Pinat, 49 Quai des Grands-Augustins, Paris. The second volume has just appeared. The same author's "Technology and Chemical Analysis of Oils, Fats, and Waxes" is also obtainable in French.

Pharmaceutical Examinations.

We have received from the Registrar of the Pharmaceutical Society of Great Britain the following list of successful candidates who were granted certificates at the recent examinations:

Major Examination in London.

Arnfield, Harold, Stockport
Borrowman, Agnes T., London
Evans, Herbert J., Harrow
Hill, Ada Moss, Scarborough
Neve, Grace Mary, London
Pickles, Robert G., Platt Bridge
Robb, Walter Hugh, London
Robinson, Alfred I., Forest Hill
Slater, Frank, Wigan
Smith, Sydney, Clapham
Williams, William A., Bala

Minor Examination in London.

Bailey, W. L., Matlock Bank
Barley, Gerald G., Stockwell
Bateson, Harold M., London
Bemrose, Percy R., Dawley
Bennett, William G. T., Bedford
Bollen, Clement R., Penge
Bollom, Arthur H., London
Breakspear, Arthur E., Oxford
Briggs, Gilbert, Burnley
Brooks, Ralph R., Salisbury
Cameron, Finlay, Delny
Chambers, Lewis, Halifax
Cottman, R. A., Dorchester
Dain, Reginald, Crewe
Dunning, Edwin H., Netley
Eden, Oswald John, Oxford
Ellis, Rhys S., Aberystwyth
Eymer, John, Stafford
Faraday, W. B. M., Stroud Green
Farmer, Charles F., Clapham
Frearson, Cyril D., Derby
Goulding, George, Lincoln
Green, Edwin, Ipswich
Gregory, Charles K., Boston
Handley, Charles S., Maldon
Harris, E. Oscar, Morecambe
Harrison, Harold, Royton
Heap, John M., Southport
Heath, Aaron, Palmer's Green
Hewish, Arthur R., Exeter
Hyde, S. R., Cheadle, Hulme
Johnson, Millicent, Birmingham
Jones, Albert William, Taunton
Jones, Daniel J., Penygroes
King, T. W., Fordingbridge
Lees, Harold, Stalybridge
Lichtenstein, S., Manchester
Llewellyn, T. D., Ogmore Vale
Lomax, Fred, Westby, Leyland
Moffatt, G. W. J. H., Edinburgh
Offord, Marjory B., Enfield
Oxley, L. W., Huddersfield
Parsons, Joseph G., Brighton
Pattinson, Wm. Ross, Bowdon
Phillips, John Wm., Walsall
Read, Bernard E., Brighton
Rigg, Henry, Wolverhampton
Roberts, William G., Liverpool
Robinson, George, Plaistow
Ryves, John C., Sheffield
Sheldon, W. H., Kimberworth
Simpson, H. R., Blackburn
Spratling, Walter N., Clapham
Staley, E., Burton-on-Trent
Stanley, V. W., Sutton-in-Ashfield
Stather, William B., Sheffield
Stearn, Sidney J., Cambridge
Storey, William A., London
Streatfield, C. W., Caterham Valley
Upson, Charles, Gosport
Vincent, George B., Fulham
Waghorne, R. R., Eden Bridge
Weekes, W. H., Okehampton
Wells, Charles H., Warrington
Wood, Ernest, Elland
Wormald, E., Luddenden Foot

Minor Examination in Edinburgh.

Attwell, Arthur Finnis, Bath
Bolton, Sidney Hill, Sleights
Brechin, Thomas, Bo'ness
Cameron, W. James, Kemnay
Caplan, Samuel, London
Davidson, George, Maud
Davies, William John, Swansea
Edwards, A. W., Dorchester
Farquhar, W. A. K., Insch
Gardner, H. C. V., Port Elizabeth
Gates, Alfred E., Leicester
Goodswen, Isaac U., Redcar
Gray, Stanley, South Shields
Gunn, John, Duns
Hammond, H. B., Harrogate
Heddle, Bernard, Kirkwall
Hendry, James, Banchory
Imrie, J. Robert, Innerleithen
Lamb, Thomas, Warkworth
MacCulloch, Catherine McD., Inverness
McGillivray, Peter, Forres
Manson, John, Forres
Milne, J. Alexander, Midmar
Morison, A. D., Stornoway
Murphy, James Kennedy, Ayr
Murray, William, Dumfries
Pickles, Charles, Dalry
Ruxton, David, Dundee
Sargent, Ethelwyn, Manchester
Shand, James, Lanark
Smith, Catherine J., Edinburgh
Souter, Walter M., Stillington
Taylor, Arthur, Huddersfield
Thompson, W. A., West Bridgford
Whitelam, William Harold, Hull
Wilson, William Allon, Girvan

Business Changes.

Mr. B. Rogers has taken over the business of Mr. E. J. Burnell-Jones, chemist and druggist, at Bude Street, Appledore, North Devon.

Mr. E. R. Jones, chemist, has removed from 10 North Pole Road to more commodious premises at 112 Bramley Road, St. Quintin's Park, London, W.

Mr. Tom W. Wilkes, chemist and druggist, of Crewe, has purchased the branch business of Mr. J. Milling, chemist and druggist, at 24 Frodsham Street, Chester.

Mr. W. B. Nelson, Ph.C., 4 Maclise Road, West Kensington, London, W., has sold his business to Mr. R. W. Hawkey, who will carry it on as "W. B. Nelson, Ltd."

Mr. Cotnam Fields, chemist and druggist, 66 Scotgate, Stamford, has closed the pharmacy which he has carried on at the above address for over thirty years. Mr. Fields has retired from business.

Mr. George R. Cook, chemist and druggist, has sold the business carried on by him at 73 Freeman Street, Grimsby, under the style of Carter, White & Co., to Mr. J. A. Moore, chemist and druggist. Mr. Moore will continue his other business at 24 Freeman Street.

Observations and Reflections.

By "Xrayser."

Repentance

is the characteristic of the regulations affecting the licences to be granted to unqualified poison-dealers which strikes the pharmaceutical observer who has watched the course of recent legislation. The alterations now published go some way towards the encouragement of opposition to the licences and towards making the formalities and costs of their attainment greater. It is conceivable that there may be ironmongers and oilmen and seedsmen who have been watching the poison fruit ripening on the tree of trade, and who may now decide that, after all, it is not worth plucking. Possibly Lord Haversham and his associates on the Privy Council, who fancied they had accomplished a rather notable feat of statecraft when they made a breach in the poison-trade barriers, found it difficult to explain the exact purpose of their policy to H.R.H., who would look at it from the point of view of the safety of the public generally.

Members of Another Council

have also been doing a bit of repentance in another direction. These have at least the satisfaction of knowing that they climbed down just in time to avoid the very straight shots which, unknown to them, Mr. Danckwerts was aiming at them. It is rather a pity, for his own sake, that the President of the Pharmaceutical Society should have qualified his otherwise satisfactory statement on the subject of the certificates by avowing his now archaic opinion that the Minor certificate is not a certificate of qualification within the meaning of the 1908 Act; but, so long as such an opinion is only exhibited as a curiosity and not as an authoritative guide to policy, it may be regarded with equanimity by those whom it would have affected.

How Dependent

the Pharmaceutical Society is for its luxuries on its income from the examinations is demonstrated by the parallel publication of its last two financial statements in last week's *C. & D.* In 1907 all expenses were met, and a balance of 1,230*l.* was carried to the accumulated funds. In 1908, notwithstanding some notable savings, the income proved to be 170*l.* short of the expenditure, making a deficiency of 1,400*l.* in the result as compared with that of the previous year. Just about half of this difference was due to a decline of nearly 800*l.* in the revenue from examination and registration fees, while the cost of examining was only reduced by about 70*l.* An increased balance of expenditure against the journal neutralised the saving on annuities, and the other great spending department, "the school and research laboratory," accounts for the principal share in the remainder of the deficiency. The school, however, must be credited with having done well in 1908, for, with a special expenditure of 896*l.* on the re-equipment of the laboratory, the net deficiency comes out at only 337*l.* worse than in 1907. More fees and economy in the staff account for this achievement. It must be remembered that the figures commented upon only show the actual receipts and expenditure of the Society during the particular years, and are not quite comparable to those of an ordinary balance-sheet. But, so far as the transactions of the Society are for ready money, they are sufficient, and in other respects they are probably approximately accurate.

The Long-necked Castor-oil Bottle

problem still awaits solution. The contribution of "F. S. A." to this part of the subject suggests that these bottles were introduced almost, if not quite, within living memory. In that case it ought to be possible to discover and credit the genius who devised the worst possible form of container for this not too tractable substance, even if we can never hope to fathom his purpose. The association of a special form of container with a medicine has usually indicated a proprietary origin. Daffy's, Dalby's, Dutch drops, and Eau de Cologne are instances. It is not likely that castor oil was ever sold as a proprietary article, but it is possible that at one time in its career some chemist with a good reputation may have put up the oil with a guarantee of its purity, and in order to distinguish his "brand" may have selected a shape of bottle which seemed unlikely to be followed. The extra trouble involved in getting the remedy out of its envelope, and probably the additional price charged for the medicine so packed, would go some way towards enhancing the esteem in which it was held, and, as colourable imitation was a recognised method of business competition before the advent of our own more righteous generation, the long-necked bottles came to be frequently adopted. All this is, of course, merely surmise, but it is written with the hope of keeping the discussion going until it attracts the attention of someone who knows.

The Price of Castor Oil

quoted by "F. S. A.," referring, it may be supposed, to some sixty or seventy years ago, corresponds with that given in "Pharmacographia" for 1777 and 1782, when Joseph Gurney Bevan, the predecessor of Allen & Hanburys, priced his stock on the earlier date at 8*s.* per bottle of 18 to 20 oz., and in 1782 noted its cost at 10*s.* per bottle. At that time castor oil was an almost unknown drug, and it first appeared in the London Pharmacopœia in 1788. Then it all came from Jamaica, but early in the nineteenth century it began to be imported from the East Indies, and it may be supposed that its cost fell rapidly.

The Name of Castor Oil

is also somewhat of a puzzle. Hanbury says definitely that the name "castor" was given to the seeds and oil of the ricinus, because by some strange mistake the plant had been called *Agnus castus* in Jamaica. That looks like a probable enough derivation, and Hanbury was never wrong in his facts. The Historical English Dictionary, however, takes no notice of this etymology, but states that the origin of the name is uncertain, but has been supposed to have descended from the oil of castor, an old medicinal compound made from castoreum. There were a simple and a compound oil of castor, both made by first digesting castor in wine and then boiling it with oil until the wine had been evaporated. In the compound preparation a number of aromatic gums and spices were boiled with the other ingredients. A formula for this oil was given in the first London Pharmacopœia.

The Liverpool Chemists' Association

is called upon to "wake up" and make itself of real commercial value to the retail pharmacists of the city. This is only one of many similar appeals. There is evidently a notion prevalent that something may be done by associations which is out of the power of individuals. In some localities co-operative buying clubs have been formed, and appear to have been successful. But Mr. Parry has evidently far wider aims. He demands a business recorder, a trade committee composed of the smartest business men obtainable to deal with our commercial difficulties, and monthly meetings to promote trade interests. The programme is vague, but it may be feasible. If the Liverpool Chemists' Association can indeed help its associates to more trade, more profit, and less competition, let that weather-beaten old institution bestir itself and show the rest of us how to do it. If it has been pandering to outside interests, toadying to doctors, and enriching quack-medicine makers, as Mr. Parry obliquely suggests, let it mend its ways. But probably this is merely a poetic way of saying that meetings of the "chemists and druggists" of last century to discuss pharmaceutical topics because they were interested in them, and not with any view of pecuniary profit, are of no use to the "pharmacists" of to-day. Which may be true, but, if it is, it points to decadence.

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Editorial Comments.

The Quarter's Trade.

The Board of Trade Returns for March again show a decline both in imports and exports, but on the surface it would appear that there has been some improvement on the first two months of the present year, for the decrease in exports only amounts to 3 per cent., compared with a decline of 12 per cent. in February and of 16 per cent. in January. In imports also the fall is only 81,000*l.*, or 0.1 per cent., against 5 per cent. and 3.7 per cent. respectively in January and February. It must not be forgotten, however, that last month there was one more working day than in March 1908. The imports last month amounted to 52,034,063*l.*, British exports to 31,904,673*l.*, and re-exports to 7,540,319*l.*, making a total turnover of 91,479,055*l.* The re-exports are again a feature, showing an increase of 1,575,064*l.*, as compared with 1908, which is evidence of increased trade activity. The details of the month's imports are no less encouraging, raw materials, for example, having expanded by 953,132*l.*, while manufactured goods declined 206,773*l.*, and the imports of food, drink, and tobacco fell off by 810,848*l.*, including a decline of 190,790*l.* in wheat and flour. Chemicals, drugs, dyes, and colours increased by 46,474*l.*, the total being 984,208*l.*, and oil seeds, oils, etc., also show a satisfactory increase of 444,576*l.*, with a total of 2,657,602*l.* As to British exports the total decrease in manufactured goods was 1,373,172*l.* (against 3,449,853*l.* in February), the chief decrease being in cotton goods 668,943*l.*, new ships 397,310*l.*, and machinery 355,691*l.*, but there are also seven increases in this schedule, including 199,908*l.* in miscellaneous textiles and 127,744*l.* in iron and steel. Chemicals, drugs, etc., were less by 49,928*l.* at 1,653,179*l.* Food, drink, and tobacco shipments were 274,269*l.* higher, and among raw materials, the shipments of which were 44,947*l.* less, the features were the decline of 273,000*l.* in coal, which is accounted for by lower prices,

since the quantity shipped was 374,000 tons larger. The quarter's figures, which are now complete, are as follows :

	£	1908	1907
Imports ...	155,976,894	−4,904,605	−15,217,088
Exports... ...	88,732,171	−10,535,870	−13,134,815
Re-exports ...	22,701,309	+2,639,172	−3,628,057
	267,410,374	−12,801,303	−31,979,960

Of the above decline in imports, amounting to 4,905,000*l.*, only 326,000*l* is in raw materials. The imports of raw cotton are also down by two millions, corresponding with a diminution of almost a million cwt. Raw wool imports, on the other hand, are 1,600,000*l.* higher, and oilseeds, etc., display the considerable advance of 815,811*l.* The food, drink, and tobacco bill is 3,073,810*l.* less, and we have taken 1,533,488*l.* less of foreign manufactured goods. Imports of chemicals, etc., which are 91,369*l.* less for the quarter, were as follows :

1907	1908	1909
£	£	£
2,813,272	2,593,964	2,502,595

This slight falling-off is spread over a number of articles, and applies chiefly to soda compounds, cream of tartar, myrobalans, painters' colours, pigments, and unenumerated drugs and medicines. Quinine imports have been larger this quarter by 224,683 oz., and for the sake of convenience we bring the imports and British and foreign exports together as follows :

	1907	1908	1909
	oz.	oz.	oz.
Imports	1,289,331	315,554	540,237
British exports ...	277,613	171,569	264,659
Foreign made exports	281,584	23,996	25,443

These figures indicate a better consumption this year as compared with last, and it will be seen that the exports of British make almost reach those of two years ago. The export trade of the quarter in chemicals, drugs, dyes, and colours amounted to 4,213,219*l.*, being 419,045*l.* and 283,711*l.* less than in 1908 and 1907 respectively. Bleaching materials show signs of expansion, and U.S.A. has again increased her purchases compared with 1908. Coal products, not dyes, show a decline of 166,000*l.*, due to lessened shipments of carbolic acid, pitch, naphtha, etc. Copper sulphate, too, has declined from 34,078 tons (779,525*l.*) to 18,234 tons 357,534*l.*), but soda compounds show evidence of an all-round improvement, particularly in soda ash and soda caustic, saltcake alone showing a decline. Glycerin has advanced from 35,408 cwt. to 55,100 cwt. Drugs and medicinal preparations show practically no change on the quarter at 379,103*l.*, which compares with 381,193*l.* in 1908 and 403,232*l.* in 1907, these figures not including the quinine exports given above; including the quinine figures, exports are 771*l.* better, and may be regarded as very satisfactory in face of the restricted trade movement the world over.

French Pharmacy Curriculum.

Before the second decade of this century begins pharmacists in Great Britain are likely to learn what the Pharmaceutical Council propose to do under Section 4 of the Act which came into force on April 1. Probably the Council will take lessons from other countries, and as a slight contribution to the matter we propose in this article to give fuller particulars of the scheme for the reform of the pharmaceutical curriculum in France than were printed in an earlier issue. At the outset, however, it is requisite that we should emphasise the fact that the practice of pharmacy in France is as different from the business of British pharmacists as the two nations are different in origin and temperament. There are points of similarity between French and British pharmacy, but the statutory basis of the retail drug-trade in Great Britain is so elementary compared with the laws of French pharmacy and the professional position of the *pharmacien* that it would be disastrous for us to begin where the French leave off.

The French Committee was appointed by the Minister of Public Instruction to inquire into and report upon the curriculum of French pharmaceutical education, and consisted of forty members, with M. Peytral, Senator (an ex-pharmacist), as President and M. Delaunay (pharmacist, Deputy of the Loiret Department) as Secretary. The first question considered was whether the "stage," or apprenticeship, should precede or follow the compulsory course of education at a school under a Faculty of pharmacy. A minority of about a dozen was in favour of the present system of a three-years' apprenticeship, followed by three years at a school of pharmacy, on the ground that the young student, fresh from varied and extensive scientific study, would submit grudgingly to the drudgery of the *officine*. The minority was outvoted by the "bold reformers" (as M. Delaunay terms them), who decided that apprenticeship should follow the school curriculum and that it should be reduced to one year. The Committee did not overlook the fact that unless the hospital administration revises its programme of examinations, etc., to suit the new *régime*, the "internat," or hospital house-appointment, which enables the young pharmacist to gain his living while completing his studies, would be jeopardised, but the report hints that such a revision would not be difficult to carry out. The proposed reduction in the duration of apprenticeship implies lengthening of the school curriculum, and the Committee considered that in view of the new subjects (biological chemistry, microbiology, and hygiene) and the desirability of adding the study of pharmacy law, etc., a four-years' curriculum would not be excessive. A recommendation to this effect was opposed by two members only. In this connection the Committee considered whether the present "preparatory" and "full-exercise" schools (small local establishments akin to the British technical schools) should be abolished or retained. It was decided that they should be continued for the purpose of the education of the first three years of the curriculum, but the fourth and final year must be passed in a Superior School or Mixed Faculty. There are three Superior Schools, and at two of them (Nancy and Montpellier) the number of students is very small. It is therefore suggested that these two schools might be merged in the Faculty of Medicine of the same Universities and form Mixed Faculties like those at Lyons, Bordeaux, and other important centres. It is also proposed that the Superior School of Paris should be created a Faculty.

The question of periodical examinations under the new *régime* was long and carefully examined. The Committee explained its view to a select sub-committee, composed of members most competent in this connection, and this sub-committee submitted its proposals to Professor Gautier, of the Paris Superior School of Pharmacy, who was then charged to embody the resolutions of his *confrères* in a formal document. This he appears to have done to their entire satisfaction, a large portion of his work being printed *in extenso* in the document presented to the Minister. To summarise its somewhat elaborate provisions, the first "year-end" examination would consist of practical work in general and analytical chemistry and pharmaceutical formulæ. The student would also be required to identify plants and drugs and to answer verbally questions on organic and inorganic chemistry, physical, botanical, and zoological science. At the end of the second year the practical examination would be in chemistry as above *plus* micrography. The identification of the usual chemical

compounds and of medicaments would be added, and the questions would cover galenical and chemical pharmacy, materia medica, and chemical analyses, in addition to the subjects already named. The third year-end examination would embrace quantitative analysis, practical microbiography, and practical parasitology. The oral examination would include analytical chemistry, toxicology, chemical and galenical pharmacy, cryptogamy, and materia medica, and the student would be required to identify chemical and galenical medicaments, drugs, and cryptogamic specimens. The probatory or final examination would be as follows:

First Examination.—Part I. (Practical): Analytical chemistry and applied physical science. Part II. (Oral): Organic, inorganic, and analytical chemistry, physical science, elements of mineralogy. Identification of minerals and usual chemical compounds.

Second Examination.—Part I. (Practical): Micrography. Part II. (Oral): Phanerogamic and cryptogamic botany, zoology, and parasitology; materia medica. Identification of fresh plants, animals, vegetable and animal drugs.

Third Examination.—Part I. (Practical): Biological chemistry test of medical substances, examination of a foodstuff (or a toxicological test), microbiology. Part II. (Oral): Biological chemistry, hygiene, toxicology, hydrology, elementary geology, microbiology, chemical and galenical pharmacy, identification of chemical and galenical medicaments.

There would also be, as at present, an examination for "validation of stage" or apprenticeship, but instead of marking (as at present) the candidate's entry into his scholastic career, it would test his capacity to leave college for business life. The opinions of *pharmaciens* throughout France on this momentous report are by no means unanimous, and there is a strong party in favour of the present system of apprenticeship before curriculum. We may recall the fact that in 1892 Professor Oldberg, of Chicago, introduced the opposite method there, but it has not been so successful as to become at all general.

Sale of Disinfectants.

Professor R. Tanner Hewlett, M.D., F.R.C.P., Director of the Public Health Department, King's College, London, delivered before the Royal College of Physicians of London, on March 2, 4, and 9, the Milroy Lectures on "Disinfection and Disinfectants," which have been published in "The Lancet." They are of distinct value to all who are technically interested in the subject. In the third lecture Professor Hewlett made some cogent observations on the sale of disinfectants, from which we quote:

Until recently—*i.e.*, before the advent of the carbolic coefficient—either no standard of disinfectant value was set or the definition of the disinfectant's potency was settled by caprice or credulity or a chemical standard was adopted. For instance, an ordinary specification adopted by many authorities for "carbolic acid" ran as follows: "To contain not less than 95 per cent. of carbolic and allied acid obtained from tar." Nowadays, however, there is scarcely any phenol in commercial "carbolic acid," and the specification practically asks for 95 per cent. of cresylic acid, a saturated solution of which contains about ½ per cent., a solution of weaker disinfectant efficiency than 5 per cent. phenol, which is itself an inefficient germicide for spores. The public mind seems to be obsessed with the value of carbolic acid, and this has led in the past to numbers of cases of poisoning, when poisonous disinfectant-fluids were sold without let or hindrance. Under the Privy Council Order of June 1900, however, it is now not legal to sell a fluid containing more than 3 per cent. of carbolic acid except as a poison. This has had the effect of flooding the market with carbolic-disinfectants of less than this strength and therefore very inefficient as regards germicidal power. Buchanan Baxter has said that at least 2-per-cent. carbolic acid must be present for adequate disinfection—a difficult matter to attain when the disinfectant contains only 3 per cent. Rideal states that he was informed by a manufacturer that he (the manufacturer) had sold as a disinfectant amounts of a fluid of this nature in 1905, 28,000 gals.; in 1906, 37,000 gals.; and in 1907, 66,000 gals. This gives some idea of the enormous trade which must be done at the present time in disinfectants, and suggests that it is high time that the public be protected. It seems, in fact, that, save the regulation as to poisonous character, the public is unprotected as regards the germicidal power of the disinfectants they may purchase even if the germicidal power of the disinfectant be stated as a carbolic coefficient or in any other form. There seems to be no authority under the Food and Drugs Acts, for instance, to insist that the substance comes up to the stated standard. The only procedure applicable would appear to be for the purchaser to have the test done and then to proceed against the manufacturer if the substance did not come up to the standard stated—all this at the expense of the purchaser, be it noted—a most unsatisfactory state of affairs.

The Professor emphasised the necessity for an official standard, quoted several official orders which may be indirectly applied for this purpose, and gave a brief account of what is provided by other countries, including the British Colonies. He concluded by saying that "there can be little doubt that insistence on the disclosure of the carbolic coefficient of the disinfectant on the bottle or vessel containing it would do much [good] if, in addition, it were made an offence if the disinfectant were found not to come up to the guaranteed strength, samples being taken by the local authority just as in the case of foods and drugs." This is a subject which appeals forcibly to pharmacists, as they can make a point of bringing specially under the notice of their customers disinfectants of guaranteed bactericidal and disinfecting value.

Halfpenny Packet-post.

We are indebted to the Standard Tablet and Pill Co., of Hove, for copies of letters which have passed between them and the General Post Office regarding surcharging of orders for goods sent by the halfpenny packet-post. In one instance the order was received on an ordinary memorandum form without the word "Order" printed at the top of it. This was surcharged in accordance with the regulations, and the object of this note is to call the attention of the trade once more to the fact that ordinary memorandum forms used in this manner without the word "Order" being printed with a rubber stamp, or otherwise, on the top, are treated as letters and should be penny-stamped. Otherwise the receiver has to pay a penny.

The Prince of Wales on Advertising.

At a meeting held at Marlborough House last week of the Royal Commission for the Brussels, Rome, and Turin Exhibitions, the Prince of Wales, as chairman, made a statement regarding the importance of British manufactures being well shown at these exhibitions. Special facilities and concessions are to be given by the Commission. His Royal Highness said:

The extent of the benefit resulting to any particular industry from the display of its manufacturers at an exhibition cannot, however, be measured solely by the amount of direct orders received by individual exhibitors. In the opinion of the recent Committee of Inquiry the same causes which render it necessary for individual firms to spend large sums of money on advertisements in order to maintain their position in a particular trade, also render it imperative that every effort should be made at the present day to maintain and improve the reputation of British manufactures as a whole. Experience has shown that even in the case of firms having an established reputation and world-wide connections attempts to discontinue advertising have usually been followed by a diminution in the sales effected, and it is not unreasonable to assume that the neglect by Great Britain of one of the most important forms of national advertisement would be equally detrimental to her interests as a manufacturing country.

There is a certain cogency about these remarks, but they overlook the experience of many participators in international exhibitions that it is the business which is lost by the stimulation of new competitors that counts against exhibitions as a means of advertising.

The Demand for Assistants.

It is generally supposed that one of the first effects of the Poisons and Pharmacy Act will be to appreciate the value of qualified assistants, and that the demand for them will increase. It is as yet too soon to state what will be the net result, because it is not three weeks since the Act came into force; but it is interesting to compare the demand for assistants during the first quarter of the year with the three years immediately preceding. We find that in the first quarter of 1906, 1,014 situations in the wholesale and retail departments of the drug-trade were advertised; in 1907 the number was 1,142; in 1908 the number was 1,097; and in the first quarter of this year 1,091 were advertised. It thus appears that the first quarter of 1909 is not phenomenal, but when we compare the five weeks of March there is a remarkable difference. We give the figures for each week of March in the respective years:

	1906	1907	1908	1909
1	74	73	85	83
2	75	102	79	84
3	89	93	104	105
4	80	80	90	109
5	52	57	92	127

It will thus be seen that there were 370 in March 1906, 410 in March 1907, 450 in March 1908, and 508 in March 1909. The three-figure numbers this year are phenomenal for the season, and it can scarcely be doubted that the increased demand for assistants this year is due to the new legal requirements.

Canadian Medicine-stamp.

We give here a reproduction of the new Canadian Inland Revenue stamp for proprietary medicines which were in stock on April 1. This stamp will only be issued up to April 15. It is printed in red ink. It is not a duty-stamp, but "franks" the medicines in stock up to April 1, after which no proprietary or patent medicine containing cocaine, alcohol, and certain drugs (see *C. & D. Diary*, p. 227) may be manufactured, imported, exposed, sold, or offered for sale in the Dominion unless it is registered by the Minister of Inland Revenue. A Canadian correspondent, writing to us on March 19, says: "During March druggists have been busy taking stock of the remedies liable to the provisions of the Act, and in order to avoid trouble are availing themselves of the stamp issued by the Department of Inland Revenue. It has occurred to many that some English manufacturers may not care to bother about registering in Canada for the small amount of goods sold here, and the writer has wondered whether the Government could not be induced to accept registration of these manufacturers and allow them to overstamp the ordinary label with a coloured rubber stamp with the words 'No. —, Proprietary or Patent Medicine Act, Canada.' This would serve the purpose and save an immense amount of time and extra labelling."

Fairchild Scholarship and Prizes.—Applications for this year's examination may now be lodged with Mr. A. E. Holden, Bath House, Holborn Viaduct, London, E.C., who will supply the necessary forms on receipt of a postcard.

The New Pharmaceutical Topics in the public Press this week are the new "Association of Assistant Pharmacists" and "the return to the House of Commons of a direct representative of pharmacy if a constituency can be found for a member of the Chemists' Executive Organisation." The similarity of the numerous notices indicates two common origins.

The Week's Poisonings.

Nine fatalities, including four misadventures, have been recorded from poisoning during the week. "Felo de se" was the verdict at the inquest on William C. Plumber (24), who died at Brotherton from laudanum-poisoning.—Thomas Weatherton (55), master mariner, of Low Fell, died from an overdose of laudanum taken to induce sleep. Deceased had obtained a 4-oz. bottle of the drug "for use on board ship."—An overdose of the last-named sedative, taken for neuralgic pains, caused the death of Marian Byrne (28), of Hull.—Tincture of opium was also responsible for the death by misadventure of a widow named Mary Ann Payne (68), of Ore, Hastings. Mr. H. Lansdale Carter, Ph.C., manager of Mr. Edward's pharmacy, Old London Road, Ore, deposed at the inquest that deceased had purchased one ounce of laudanum at a time regularly during the last four years, saying it was for sleeplessness.—At Bury St. Edmunds the body of a woman, who is believed to be a Little Clacton housekeeper named Wickhambrook, was found dead in bed with some oxalic acid close by.—Walter T. Clarke (36), a Chippenham butler, ended his existence by taking oxalic acid.—Lucy Walton (65), committed suicide at Dartmouth Park Hill, London, N., by taking oxalic acid.—Emma Holloway (23), a servant in the employment of a medical practitioner at Friern Barnet, swallowed with suicidal intent about four ounces of chloroform and also a mixture of chloroform and camphor, which she obtained from the dispensary.—Ebenezer Manktelow (26), labourer, died at Heathfield from an overdose of bromide of potassium. Deceased, who was intemperate, had sent for sixpennyworth of the drug, which was dissolved in a quart of water. He continually sipped at the mixture for nearly two hours, in which time it was calculated he had taken 15 dr. of the "bromide."—Lena Tuzova (22) was the name of the Russian girl who poisoned herself at Preston last week (*C. & D.*, April 10, p. 550). The lethal agent was corrosive sublimate.

Modern Skin-creams.

III.—Casein Type.

Casein, the chief albuminoid constituent of milk, is often employed as the base of greaseless skin-creams. It is precipitated from milk by acids or acid salts, and, when freshly precipitated, forms a soft, light, finely divided mass which easily rubs into the skin. Casein is soluble in solutions of ammonia, the alkalies, and the alkaline carbonates, in lime-water, sodium-phosphate solution, and borax solution. This fact renders it necessary to avoid alkalies in compounding casein-creams. The physical condition of casein depends on the temperature of precipitation and whether the precipitation takes place in dilute or concentrated solutions. Some commercial varieties of casein, or dried milk, are distinctly granular, and hence unsuited for using as a skin-cream base. The object of the dispenser should be to obtain the light, smooth variety referred to above. The usual precipitants are either acetic acid, hydrochloric acid, alum, tartaric acid, or rennet. The last-named is the least suitable, as it alters the casein more than when the chemical methods are employed. Milk freed from fat, either by skimming off the cream or using the separated milk from centrifugal cream separators, is the best to use, as retained fat becomes rancid after a time. If the separated milk is saturated with a neutral salt, such as sodium chloride or magnesium sulphate, a more finely divided casein is obtained. An acid form of casein is produced when very weak hydrochloric acid is mixed with casein, and, as this is soluble, the necessity of distinctly acidifying the milk is apparent. If the milk is diluted with from one to ten times its bulk of water, casein in the desired form is obtained. The simplest process consists in mixing separated milk with about ten volumes of water, warming to a temperature not exceeding 40° C., and then adding acetic acid to make the liquid distinctly acid. The curd is separated on a cloth and well washed with water, a little acetic acid being added to the water first employed. To remove fat, the casein is afterwards dissolved by means of an alkali, filtered, and re-precipitated; but if separated milk be used, this will not be found necessary where the casein precipitate is intended for a skin-cream. It may be useful to note that a little ammonia added to milk assists the cream or fat to rise, and this skimmed off gives a practically fat-free liquid, to which

acid is afterwards added to precipitate the casein. Experiments have been made as to the best form of casein coagulum for skin-cream, but, as pointed out, this depends upon several factors. The following is a method which has been recommended : Heat the milk to about 120° F. For each 500 c.c. of milk, add 50 grams of magnesium sulphate dissolved in warm water (a saturated solution), and set the combined solution aside for an hour or less. Again heat to 130° or a little higher, and add 5 grams of alum dissolved in hot water, and, if necessary, continue the heat a little longer until the casein is entirely separated. It is not well to let the temperature rise above 145° F. ; but this is the only case in which a temperature of this high degree will still yield a soft curd. Wash the precipitate in several waters, and press. These creams have a tendency to shrink in the jars unless they are airtight. To prevent this drying a little cacao-butter is a good addition : almond oil or liquid paraffin, which is sometimes used, makes the paste more greasy. The colouring may be either carmine solution, eosine, or carthamin. Preservatives are required in casein creams, boric acid being the most suitable. Some operators regard a paint-mill as a necessity in preparing these creams, but trituration in a large mortar gives a good product. The following is a selection of formulæ illustrating the casein type of skin-cream :

I.

Casein	3 oz.
Boric acid	5 dr.
Cacao butter	2½ dr.
Carmine solution	
Perfume ... of each	q.s.

The casein is prepared by the magnesium sulphate and alum method, and is employed in the moist condition. The carmine solution, perfume, and boric acid are incorporated, and then the melted cacao butter.

II.

Skimmed milk	1 gal.
Hydrochloric acid ...	1 oz.
Boric acid	1 oz.
Oil of bitter almond ...	20 min.
Oil of rose-geranium ...	30 min.
Oil of sweet almond ...	½ oz.
Carmine solution ...	q.s.

Add to the milk 1 gal. of hot water to raise the temperature to about 80° F. Mix the hydrochloric acid with 1 pint of water, and add this to the diluted milk slowly, with constant stirring to completely coagulate the casein. Allow to stand for an hour, collect the precipitate on a cheese-cloth, and after draining return the mass to the vessel and add 2 gals. of water. Stir the coagulum, breaking up any masses that may form; pour off the water and wash again. Collect on strainer and squeeze out all the water possible, then transfer to a mortar or other suitable vessel and incorporate the boric acid. Transfer to a cheese-cloth bag, suspend this from a shelf or other suitable place, and allow to hang for thirty-six or forty-eight hours, squeezing the bag occasionally. The casein is then transferred to a mortar, rubbed as fine as possible, 1 oz. of dilute alcohol (enough to moisten) added, and then the oil of sweet almond and perfume. Tint the product with the solution of carmine. Add sufficient water to form a soft paste, and beat all together until uniformly mixed.

III.

Skimmed milk	1 gal.
Powdered alum ...	1 oz.
Boric acid	3 dr.
Glycerin	3 oz.
Oil of bitter almond ...	20 min.
Oil of rose-geranium ...	10 min.
Carmine solution ...	q.s.

Heat the milk to about 170° F. Dissolve the alum in 4 pints of hot water and add it to the milk slowly, with constant stirring. Continue the heat and stirring until precipitation is complete. Let the mixture stand until cool, pour off the clear liquor, add to the precipitate 1 gal. of water, stirring and breaking up the magma as much as possible. Allow this to stand until the precipitate separates, pour off as much as possible of the water, collect the precipitate on a cheese-cloth strainer, squeeze out all the water possible, then dry the precipitate without artificial heat between sheets of blotting-paper. Place the casein in a large mortar, add the glycerin, in which the boric acid has been dissolved, and beat and rub the casein until it is perfectly smooth and soft. Let the mass stand for six hours, pour off the water that separates, then beat in the oils and carmine, adding a little more glycerin if necessary to bring to the proper consistence.

IV.

Skimmed milk	1 gal.
Tartaric acid	5 oz.
Sodium benzoate ...	½ oz.
Zinc oxide	1 oz.
Glycerin	2 oz.
Carmine solution,	
Perfume ... of each	q.s.

Dissolve the acid in a pint of water and add to the warm milk. Strain and wash the coagulum. Rub the zinc oxide with the glycerin till perfectly smooth, and mix with the casein, adding lastly the perfume, colour, and preservative.

Mr. A. E. Melling, The Pharmacy, Brynn, writes in regard to the words "Hazoma Cream" used in the last article. Mr. Melling states that he has registered the copyright of a label which includes the words "Hazoma Cream."

London Chemists' Golf Club.—The fixture-card and list of members of this recently formed club has been issued. In the former, monthly medal competitions and winter foursomes figure largely, and, with the spring and winter tournaments, bring the average of the fixtures to nearly three per month. The membership is now close upon fifty. Mr. W. Duncan, 52 Shaftesbury Road, Hornsey Rise, London, N., is the Secretary.

International Congress of Applied Chemistry.

The provisional programme of the Congress has been issued. The proceedings begin with a reception by the Lord Mayor at the Guildhall on May 26, and end on June 2 with an afternoon visit to Windsor Castle. The inaugural meeting in the Albert Hall on May 27 is to be opened by the Prince of Wales, and in the evening there is a reception at the Foreign Office. In addition to the sectional meetings and general lectures on May 28, 29, 31, and June 1, there are a banquet at the Crystal Palace on May 28, a garden party at the Botanic Gardens and a reception at the University of London on May 29, and receptions on May 31 and June 1, on the last-named date at the Natural History Museum. The committee have obtained reductions in railway fares to members of the Congress travelling over English and French railways, which are given on production at the booking offices of special vouchers or cards of membership. The social functions are on a scale never before attempted in this country in connection with science, and are of an exceptional nature. The tickets for the banquet at the Crystal Palace (members 21*s*., non-members 25*s*.) include conveyance to the Palace by special train. We are asked to state that applications for tickets should be received not later than May 3, as the preparations necessary for the success of the function involve much detail work. The offices of the Congress, which are at present at 10 Cromwell Crescent, London, S.W., will on April 19 be transferred to the Royal College of Science, South Kensington, S.W. Those members requiring hotel accommodation reserved for them should correspond with Mr. Wm. Macnab, the Hon. General Secretary, who has already prepared a list of hotels and *pensions*, with an indication of the prices charged for rooms.

The following have recently joined the committee of the Pharmaceutical Section : Professor Sir Thos. R. Fraser, F.R.S. (Edinburgh), Professor R. Stockman, M.D. (Glasgow), Dr. F. B. Power, F.C.S. (London), and Mr. R. F. Blake, F.I.C., F.C.S. (Belfast). The following is a list of the communications promised in this section :

1. On international specifications for purity of pharmaceutical chemicals. By C. A. Hill, B.Sc., F.I.C.
2. On the relations between the standards of purity of quinine compounds in the different Pharmacopœias. By D. Lloyd Howard, F.C.S.
3. The botanical basis of chemical investigations of drugs. By E. M. Holmes, F.L.S.
4. On variations in the activity of certain toxic drugs, with suggestions for an international inquiry. By Peter MacEwan, F.C.S., and G. P. Forrester.
5. Organic arsenic compounds. By W. H. Martindale, Ph.D.
6. On the standardisation of potent drugs and international agreement with regard to it. By P. W. Squire, F.L.S., F.C.S., and C. M. Caines.
7. On standardisation of galenicals. By R. Wright, F.C.S.
8. The toxicity of acetanilide mixtures. By W. Hale.
9. Methods for the determination of salicylates. By A. Seidell.
10. A paper by A. Seidell.
11. Essai des huiles simples intéressant spécialement la pharmacie. By M. Léger.
12. Etude de la teneur en alcaloïdes des feuilles et des extraits de feuilles de Solanées.
13. Des glucosides cyanhydriques fournissant, dans leur dédoublement de l'aldehyde benzoïque ou de l'acetone. By M. Bourquelot.
14. Des anesthésiques locaux. By M. Fourneau.
15. Emploi de l'émulsine à la recherche des glucosides dans les végétaux. By M. Bourquelot.
16. Application des procédés bio-chimiques à l'essai des médicaments. By M. Bourquelot.
17. Sur l'hordénine, alcaloïde retiré des touraillons d'orge. By M. Léger.
18. Contribution a l'étude chimique des sérums thérapeutiques. By M. Patein.
19. Ueber die im Harne auftretenden Zuckerarten und deren quantitative Bestimmung. By Dr. A. Jolles.
20. Ueber Süssstoffe. By Prof. A. Tschirch.
21. Ueber den Nährwerth der bei der zersetzung der Proteinstoffe mit concentrierten mineralsauren entstehenden Producte. By Dr. J. Effront.

22. Ueber Matico-Blätter und Matico-Oele. By Prof. Dr. H. Thoms.
23. Ueber die Bestandteile und Verwertbarkeit der Paraguay Süsspflanze *Eupatorium Rebaudianum* (mit Demonstrationen). By Privatdoz. Dr. Karl Dieterich.
24. Die Fermente in ihrer Bedeutung für die Arzneimittelchemie. By Dr. Max Winckel.
25. Eine neue mikrochemische Unterscheidung zwischen Roggen- und Weizenstärke. By Dr. W. Lenz.
26. Dove si fissa l'jodio nella molecola albuminoide vivente. By Il Dott. L. Carcano.
27. Purificazione dell' Etere Sulforico da perossidi. By Il Dott. G. Gabbarini.
28. Ueber die Wichtigkeit einer einheitlichen Untersuchungsmethode in chem. Beziehung aller Medikamente, Droguen, u.s.w., alle Pharmacopœiaen der Erde zur Identitäts Nachweisungen durch ein gewählte Commission aller Staaten. By M. P. M. Mardetschlager.
29. Tallianine. By Dr. S. Seidmann.
30. On antiseptics. By Dr. S. B. Schryver and Dr. Lessing.
31. Suggested improvements in testing disinfectants. By Dr. S. Rideal and Dr. Orchard.

The last two papers are to be given in association with the Bromatology Section.

Dr. Harvey W. Wiley, Dr. Allerton S. Cushman, Dr. F. W. Clarke, Professor Charles Baskerville, Dr. William H. Nichols, Dr. Maximilian Toch, Mr. Herbert Plaut, Dr. Morris Loeb, Dr. William L. Dudley, and Dr. L. H. Baekeland will be the official U.S.A. delegates. Professor Remington has also intimated that he will attend.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square on April 5. Present: Messrs. J. F. Tocher (President) in the chair, Greenish, Holmes, Naylor, and Weddell (Vice-Presidents), Peck and White (Hon. Secretaries), Clague, Finnemore, E. F. Harrison, and Howard. Apologies for absence were received from Messrs. Attfield, Alcock, Gilmour, Hay, Hill, Ransom, Martindale, and Wright. The minutes of the previous meeting were read and confirmed. The following draft programme of the Newcastle meeting was submitted by Messrs. Clague and Weddell, and after discussion was duly approved:

Monday, July 26, 8 P.M.—Reception by President of Conference at King's Hall, Armstrong College. Addresses of welcome.

Tuesday.—9.30 A.M. Business: Reading of annual report, financial statement, President's address, science papers. 1.30 P.M., Luncheon: Votes of thanks to University, presentation of books from Bell & Hills fund, place of meeting for 1910. 3.30 P.M., Drive to Jesmond Dene, garden-party at Mr. G. Weddell's, concert and dance.

Wednesday.—9.30 A.M., Reception of delegates by President, who will open a discussion on the question, Should the dispensing of medical prescriptions be exclusively confined to pharmacists? 11.30. Science papers. 1.30, Luncheon: Election of officers for 1910, vote of thanks to President. 3.30. Excursion by steamer down the river Tyne; impromptu concerts.

Thursday.—Excursion to Corbridge, Hexham, Narworth Castle, and Linacross Priory. Luncheon: Votes of thanks to Local Executive.

Mr. Naylor moved a hearty vote of thanks to Messrs. Clague and Weddell for their kindness in attending to explain the carefully prepared programme, which was seconded by Mr. Holmes and carried. Mr. Weddell replied for himself and his colleague.

Mr. Peck reported that two meetings of the sub-committee appointed to consider what steps could be taken to reduce the cost of the "Year-book" had been held, and that they made the following recommendations:

1. That general directions be given to the editor to make shorter abstracts of those papers which are easily accessible.
2. That the number of pages taken up by the abstracts should not exceed 150.
3. That the financial year run from January 1 to December 31.

They conclude that no economy can be effected in the cost of the "Year-book" beyond that which will be produced by recommendations Nos. 1 and 2.

After considerable discussion, Mr. Naylor moved that the findings of the sub-committee be acted upon. This was seconded by Mr. Holmes and agreed to.

Mr. Peck reported that Mr. E. Pollard, of Ryde, had applied for a grant of 2*l.* 2*s.* for expenses incurred in preparing a "Report on Commercial Emulsions." On the motion of Mr. Finnemore, seconded by Mr. Peck, the grant was made.

Mr. Clague observed that he believed there was a general understanding that in the cycle of towns giving invitations for the annual meetings London should give two to one each from the provincial towns. In the conversation which followed it was mentioned that the jubilee of the Conference would be in 1913, when it was hoped the meeting would be in London. Mr. Weddell asked if this would be an international meeting, as if that was the case, preparations for it should begin at once. The Hon. Secretaries promised their attention to the matter.

The following six new members were elected: F. H. Branson (Leeds), R. A. Christie (Glasgow), Jas. Henry (Galashiels), A. D. Purse (Sunderland), F. W. Richardson (Bradford), and P. L. Watson (Calcutta).

Contracts.

The following have been settled since our last report:

Burton-on-Trent Guardians.—The Liverpool Lint Co., chemists' goods.

Oldbury Urban Council.—Cuxson, Gerrard & Co., Birmingham, disinfecting-powder.

Folkestone Town Council.—The Sanitas Co., Ltd., disinfectants at 1*s.* 1½*d.* and 10*d.* per gal.

Knaresborough Guardians.—Mr. Geo. Weston, Harrogate, drugs to the value of 27*l.* 17*s.* 9*d.*

Dudley Guardians.—Burt, Boulton & Haywood, Ltd., disinfecting-fluid at 1*s.* 11½*d.* per gal.

Faversham Town Council.—Mr. T. J. Thomas, chemist and druggist, Faversham, disinfectants.

Durham Town Council.—The Killgerm Co., Cleckheaton, and Davis, Goodall & Co., disinfectants.

Willesden District Council.—Burgoyne, Burbidges & Co., the annual supply of drugs to the Isolation Hospital.

Daventry Guardians.—Mr. J. L. Hawksworth and Mr. A. Harrison, chemists and druggists, Daventry, disinfectants.

Cardiff City Council.—Corbyn, Stacey & Co., Ltd., drugs and druggists' sundries to the Mental Hospital at 22½ per cent. discount off list-price.

Ludlow Guardians.—Mr. G. Woodhouse, chemist and druggist, Ludlow, cod-liver oil and emulsion; Mr. W. J. Brown, chemist and druggist, Ludlow, quinine and linseed.

Nantwich Guardians.—Mr. W. C. Grice, chemist and druggist, Nantwich, drugs at 38*l.* 14*s.* 8*d.* At a meeting of the Board Mr. John Walley expressed great satisfaction that Mr. Grice and other local enterprising chemists should be able to compete favourably with the large wholesale houses.

Boston Guardians.—Mr. T. B. J. Booker, chemist and druggist, Boston, as chemist for twelve months. [Corrected note.] Also for Howard's quinine, in 1-oz. bottles, at 1*s.* 1½*d.* per oz., for six months.

Wandsworth Borough Council.—It was reported at the last meeting that Messrs. A. C. Young & Co., whose tender for the annual supply of disinfectants had been accepted, objected to one of the clauses in the contract. It was agreed, in the event of the firm continuing to hold the objection, that the tender of Messrs. Middleton Bros. be accepted, subject to the following condition: "That the formalin disinfecting-tablets shall contain not less than 95 per cent. of available formalin, and, after burning, the ash shall not exceed 0.5 per cent."

The Guildford Chamber of Trade considered the drug-supply of the Guildford Union last week. Mr. Turner stated that practically all the supplies of the Union were tendered for with the exception of the drugs, dressings, and surgical goods (*C. & D.*, April 3, Coloured Supplement). The Guardians said the question of quality was the reason for not putting up the latter supplies for public tender, but, as other Unions required tenders for drugs to be of the quality of the British Pharmacopœia, the plea was not a good one for not inviting tenders from the local tradesmen. He also said that the same remarks would apply to the Joint Hospital Board. A resolution was passed that the Chamber respectfully suggest to both Boards that the supply of drugs should be thrown open to public tender.

Sunday Trading.—A German pharmacist was recently convicted for selling aniline dyes on Sunday, and an appeal to a higher Court has been dismissed. The Judge held that the pharmacist, when dealing with other goods than "medicines or articles for sick nursing," is also subject to the general regulations in respect of the carrying-on of trade.

Association Affairs.

Brief Records.

Dundee Assistants.—The annual business meeting of the Dundee Chemists' Assistants' and Apprentices' Association was held in Mathers' Hotel on April 9. The Treasurer reported a satisfactory balance, and Mr. F. Mackay reported that the "At Home" had been successful. The following office-bearers were elected: President, Mr. J. Adamson; Vice-President, Mr. Stark; Secretary, Mr. A. Soutar; Assistant Secretary, Mr. McGonigal; Treasurer, Mr. A. T. White.

Doncaster.—A meeting of the Doncaster and District Association of Pharmacists was held at the Glyn Hotel, Doncaster, on Wednesday, April 7. Mr. M. H. Stiles in the chair. There were also present Messrs. H. W. Shaw, W. E. Plant, F. Brooke, E. A. Collings, Marr, H. W. Stiles, W. S. Fish, Norwood, T. H. Connor, jun., and J. T. Hasselby. Rules for the Association were drawn up and adopted, and the following officers were elected: President, Mr. M. H. Stiles; Secretary and Treasurer, Mr. Harry W. Stiles, 2 French Gate, Doncaster; Committee, Messrs. C. Parkin, W. E. Plant, and W. S. Fish.

Guildford.—A meeting of the Guildford and District Chemists' Association was held at the Angel Hotel, Guildford, on Wednesday, April 7, at 7 P.M., Mr. T. L. Inman presiding. It was decided to support the Parliamentary Fund inaugurated by Mr. J. R. Young, President of the Pharmaceutical Society. The Poisons and Pharmacy Act was discussed, especially in regard to Section 2 licences, and a course of action agreed upon, should it be necessary for the Association to take action. The question of tendering for the supply of medicines to the Union was then considered, and arrangements were made for safeguarding the interests of local pharmacists. Mr. Dowty was elected a member.

Grimsby.—The annual meeting of the Grimsby and District Chemists' and Druggists' Association was held at Walton's Hotel on Monday, April 5, at 9 P.M., Mr. C. Willson (President) in the chair. Messrs. J. A. Hawdon, C. H. Ashton, D. Brocklesby, H. W. Colley, C. Dewing, T. W. Ellis, R. C. Johnson, A. E. Osborne, W. G. Robinson, H. Schofield, E. Sigley, T. D. Sneath, C. N. Chapman, and F. W. Heely were also present. The annual report and balance sheet were submitted and approved. On the motion of the President the Secretaries were thanked. The retiring officers were re-elected: President, Mr. C. Willson; Vice-President, Mr. J. A. Hawdon; Treasurer, Mr. R. C. Johnson; Secretaries, Messrs. C. N. Chapman and F. W. Heely; Council, Messrs. C. H. Ashton, H. W. Colley, T. W. Ellis, W. C. Humphrey, and T. D. Sneath; auditors, Messrs. W. Barker and W. G. Robinson. Mr. J. B. Walker was elected a member of the Association. The name of the Association was changed to Grimsby and District Pharmacists' Association. A long discussion took place on the reconstruction of the Federation of Local Pharmaceutical Associations. Further consideration of the matter was deferred.

Dundee Pharmacists.—There was an attendance of over thirty pharmacists at the meeting in Mather's Hotel on the evening of Thursday, April 8. Mr. R. M. Lindsay presided, and in opening the proceedings explained that the promoters of this new Association were not actuated by any disrespect for the Forfarshire Chemists' Association, but they thought there was room for a new union more in sympathy with local requirements, and better fitted to promote their interests. He therefore moved that they form a union, to be called the Dundee and District Pharmacists' Association. This was agreed to, and officers were elected as follows: President, Mr. R. M. Lindsay; Vice-President, Mr. J. Thomson; Treasurer, Mr. J. P. Ferrier; Secretary, Mr. J. Russell Taylor; Committee, Messrs. Petrie, Sime, Barrie, Walker, and G. L. Lindsay. The annual subscription was fixed at 5*s*. Mr. John Anderson, Vice-President of the Forfarshire Association, congratulated the Chairman on the success which had marked the commencement of the new Association, and expressed his gratification that the movement was not the outcome of hostility to the Forfarshire Association. He hoped that both Associations would work together in harmony. He also took the opportunity to assure them that though meetings had not been numerous lately, the interests of local chemists had not been neglected by the Secretary and officers of the Forfarshire Association. Thereafter a discussion took place on the question of a weekly half-holiday. On a vote being taken it was found that there was a large majority in favour of closing for the day at 3, as against closing from 3 till 6, but it was decided to give the matter further consideration.

Stockport.—A meeting of the local Chemists' Association was held at the County Restaurant, Stockport, on April 7, Mr. W. P. Orrell in the chair. Messrs. J. C. Arnfield, Bowden, Burns, Dodge, Gee, Hobbs, Nicholson, Royse, Westerman, Wilson, and Watson were also present. "The Stockport and District Pharmacists' Association" was adopted as a new title. It was agreed to elect officers in October instead of January, as hitherto. After a discussion the following resolution was carried, and the Secretary was instructed to forward it to the Secretary of the Pharmaceutical Society:

> That the Council of the Pharmaceutical Society consider the advisability of issuing a certificate upon which shall be inscribed in a prominent manner the word "Pharmacist," so that the terminology shall be the same inside the shop as outside it.

The meeting was then thrown open for impromptu speaking on questions asked by members. Among them were:

> Is tr. opii in Part I. or II. of the Schedule?
> How many poisons have to be signed for?
> Why are you a member of the C.D.A., and if not, why do you not join?
> Can lin. saponis meth. be made and sold if labelled methylated soap liniment?
> Is the drug business degenerating?
> Is the question of a new price-list any use?

On all questions there were good discussions, and at the close a very hearty vote of thanks was accorded to the Chairman for his able conduct of such an interesting and instructive meeting.

Joint Proprietaries.

A well-attended and enthusiastic meeting of chemists was held in the Manchester College of Pharmacy on Easter Monday, to consider suggestions in regard to the formation of an organisation to promote the manufacture on a co-operative basis of proprietary articles for chemists. Mr. Charles Turner, principal of the college, took the chair by invitation. The various letters which have appeared in the *C. & D.* were discussed, and it was unanimously decided to form a limited company, the membership being confined to qualified pharmacists and the shares to be 5*l*. each. The objects of the company will be to manufacture, buy, sell, and otherwise provide for members only proprietary articles, drugs, sundries, patent medicines, fixtures, fittings, and all goods dealt in and used by pharmacists, and to advertise to the public the proprietaries of the company, on a co-operative basis, for the benefit of members generally. Mr. Cadge (Bingham) gave particulars of a scheme he had outlined to the Nottingham and Notts Chemists' Association. Mr. Harold Miller (Cheltenham) gave particulars of a scheme he introduced five years ago, and Mr. Mountain (Bacup) spoke on the advantages of co-operative as against individual effort, showing that it was hopeless to fight large trading concerns except by combined organised forces. The following committee were elected with power to add to their number: Mr. Chas. Turner and Mr. G. F. Bushby (Manchester); Messrs. W. H. Walton, L. S. Selle, and J. Tebb (Hull); Mr. R. Mountain (Bacup); Mr. P. Jacques (Heywood); Mr. Thos. Freeman (Nottingham); Mr C. K. H. Cadge (Bingham); Mr. H. Miller (Cheltenham). Mr. G. F. Bushby was appointed Treasurer *pro tem.* It was resolved to hold meetings in London during the Chemists' Exhibition week, and to invite all *bona-fide* pharmacists to become members. Mr. W. H. Walton, 143 Spring Bank, Hull, was appointed Secretary for the northern counties; Mr. C. K. H. Cadge, Bingham, Notts, Secretary for eastern division; and Mr. Harold Miller, 389 High Street, Cheltenham, for the western division and Wales.

The "British Pharmacists Association" has also been formed with similar objects to the foregoing, and Mr. R. Congdon, Secretary, 77 Lamb's Conduit Street, London, W.C., writes:

> I am asked by the London Committee of this Association to inform you that, thanks to the support given to this movement by pharmacists in London and the provinces, we expect to publish a report and preliminary price-list before the end of this month. In the meantime we cordially invite all pharmacists interested in this movement to write to the Association at this address. We also desire to tender our heartiest thanks to the numerous pharmacists who by their practical assistance and encouragement have rendered such valuable service.

Leicester and Leicestershire Chemists' Association

A Special Meeting was held at the Turkey Café, Leicester, on March 30, and the report reached us after our issue of April 10 was published. Mr. S. F. Burford presided, and there were present Miss Richardson, Messrs. Hind,

Hearnshaw, Clarke, Cleaver, Haslett, Hepworth, Rowe, Blockley, Palmer, Young, Clear, Wilby, Whitaker, Fry, Tomlin, Pickering, Foreman, Peberdy, Thirlby, Ward, Goodess, Lewis, Johnson, and Marfitt and Avery (Hon. Secretaries).

TITLES.

The President gave an exposition of the Poisons and Pharmacy Act. A discussion followed, in which Mr. Lewis, Mr. Ward, Mr. Whitaker, Mr. Goodess, Mr. Haslett, Mr. Hearnshaw, Mr. Cleaver, and Mr. Young took part. A good deal was said about retaining or dropping the title "chemist and druggist," and ultimately it was formally agreed, on the proposition of Mr. Rowe, seconded by Mr. Foreman, that members, in altering their labels, etc., should use both titles, with "Pharmacist" first.

CLUB DISPENSING.

Mr. Avery asked how it would affect dispensing for dispensaries by chemists when the members of the dispensaries had cards on which the prescriptions were written by the doctors. If those prescriptions contained poisons, would they have to be copied by the pharmacist, or was the member's card sufficient book for the purpose of the Act? or would the medicines otherwise have to be labelled "Poison"? The discussion revealed divided opinion, but the majority seemed to be of the opinion that the scrips needed copying in a special book. If this were so, it would not be a very good paying business to do this class of dispensing at the rate of 1*s.* 3*d.* per head per annum, medicine or no medicine, which is the price obtained in Leicester.

Note by the Editor.—The new Act does not change the provisions of Section 17 of the 1868 Act, which requires that the ingredients of the prescription be '*entered* . . . in a book" (not "copied" or "written"), consequently the cards may be filed in an appropriate book.

MISCELLANEA.

Mr. Marfitt then urged members of the Association to give their earnest attention to its work, as the Secretaries cannot do everything. Mr. Hearnshaw supported him. Mr. Avery gave notice that at the annual meeting he would move to change the title to the Leicestershire Pharmacists' Association.

A movement is on hand in connection with the Association to persuade the committee of the local technical schools to provide in the new wing of the schools a pharmacy laboratory and a materia medica museum, and to establish classes in those subjects, in addition to the present classes held in botany and chemistry. Negotiations are proceeding.

Leeds Chemists' Association.

A SPECIAL MEETING was held at the Grand Restaurant on Wednesday evening, April 7, for the purpose of meeting Mr. W. L. Currie and Mr. David Gilmour, members of the Pharmaceutical Council, who had promised to address the members on the new Act. Mr. F. Pilkington Sargeant (President) was in the chair and briefly introduced the visitors, and in the course of his remarks referred to the Formulary for the use of medical men proposed by the West Riding Federation, and invited those who desired to communicate formulæ to write to Mr. Beacock.

Mr. Currie, before addressing the meeting on the

POISONS AND PHARMACY ACT,

said a few words in commendation of the Formulary movement, telling what has been done in Glasgow. He added that they propose to engage a man in September to go round among the medical men carrying samples of every preparation contained in the Glasgow Formulary, it being considered that this is the best way of bringing those preparations to the notice of the medical profession. Private subscription among the members of the Association is to meet the cost of doing this. Mr. Currie then said that he agreed with Mr. Sargeant's remark that this is not a time for adverse criticism of the Pharmaceutical Society as to the legal aspects and other points in connection with the new Act. Nor did he think that it should be any part of their purpose as pharmacists to try to find out the best means of evading the Act. What they should strive to do was to stick to the letter of the law absolutely so far as they could and fulfil all the provisions attached to it. He then referred to the Order in Council dealing with Section 2 licences, which he fully explained, and said it seemed to him that the effect of these regulations was that pharmacists had the matter in their own hands. He explained what had been done in Glasgow (see p. 595) and referred to Regulation No. 11, from which he said it appears that the people would not be able to sell in the market-places as heretofore, because a stand in the market-place was not considered as premises. The Pharmaceutical Council were extremely gratified that the Privy Council had co-operated so heartily with the Pharmaceutical Council in the suggestions which that body had sent to them, to almost all of which they had practically given effect. The Pharmaceutical Council felt that they had scored heavily against those who had tried to overcome them and injure the interests of pharmacists. It was perfectly clear, however, that if they wanted to retain the sale of these articles and prevent unregistered people from getting hold, they must certainly, as pharmacists, take steps to accommodate the public, and if they did not put themselves to some trouble to take advantage of the opportunity now presented to them in this respect, all he could say was that they did not know what they were doing. He referred to a letter written by Mr. Herbert Gladstone in reference to a particular area, stating the opinion of his Department that the reasonable requirements of the public in regard to that area would be satisfied without the need arising for licences to be granted to tradesmen other than chemists. He said he thought that that letter was a strong thing to handle, and he advised them to make use of such a letter as that if they were called upon to bring pressure to bear upon the local authorities. He thought it was quite easy to convince any reasonable man that the requirements for the sale of these poisons were very amply satisfied by the registered man in such a city as Leeds. Mr. Currie also referred to the question of certificates of qualification and the statement made by the President of the Society at the Council-meeting that day.

Mr. D. Gilmour, after expressing his pleasure at coming among the Leeds chemists for the first time, said the new Act had added very greatly to the value of the qualification and was of very special importance to the young men, for whom the change of title was likely to be a very good thing, especially when they started in business, as they would not be troubled getting customers used to the change of title. Taken as a whole, they might, he thought, congratulate themselves that the conditions under the new Act were much more favourable to the pharmacist than any of them had expected. The restrictions in regard to the sale of poisons which might be sold by unregistered persons under licences were really so severe that in most cases he thought that if these persons realised what they meant they would feel rather inclined not to touch them. Indeed, if they looked at it in its broad aspect, the new Act was a law to restrict rather than to widen. The great point to which they would have to devote themselves was that they should be ready to satisfy the reasonable requirements of the public. If they failed to do that, no doubt the door would be opened, and that would be unfortunate, because practically the only thing which was left to them was the sale of poisons; and it was of the utmost importance that they should stick to that, and not give any occasion for the authorities to feel that there was a need for unregistered men

Questions were asked by Mr. Mundell, Mr. Bentley, Mr. Kirk, Mr. Yewdall, and Mr. Horner; and Mr. Currie, in replying to them, said that although the Pharmaceutical Society would exercise a certain amount of discretion in regard to the certificate of a *locum* who was moving from place to place, he would certainly advise any such man to exhibit his certificate of qualification in each shop in which he was employed temporarily. Answering a question by Mr. Yewdall as to the regulation that food could not be sold on the same counter as poisons, he said this regulation did not apply at all to the registered man. In regard to a point raised by Mr. Bentley as to a drug company keeping a pharmacist at one shop and calling

the other branches pharmacies, although they had not a qualified man there, Mr. Currie referred to the case of the Pharmaceutical Society *v.* Mercer, now waiting appeal. Mr. Kirk was quite right in saying that the action of a company which had a large number of branches and at some of these branches had decided not to use the title upon the window, but intended running them as drug-stores pure and simple without a qualified manager, was absolutely illegal. Mr. Horner had asked whether the Society were going to take any steps to see that the companies complied with the regulations in their different branches, and his answer to that was that that point would undoubtedly be seen to, as every company in existence must sign a schedule and return it to the Registrar, who, at any moment, might send somebody to see that the regulations were being complied with. Mr. Gilmour briefly spoke in commendation of the re-arrangement of the Poisons Schedule, and the President emphasised the point that chemists must be prepared to prove themselves able to satisfy the requirements of the public.

An Assistants' Union.

A Meeting of chemists' assistants was held at the Imperial Hotel, Birmingham, on Good Friday, April 9, for the purpose of founding a National Union of Assistant Pharmacists, the principal objects of which are to bring about

The President of the Union.

Mr. Joseph Masters Dowty is the son of Mr. William Dowty, Pharmacist, Pershore. He passed the Minor examination six months ago, and has all the ardour of youth and recent qualification.

a limitation of hours, to secure direct representation upon the Council of the Pharmaceutical Society, to form a labour bureau, and to deal with the encroachment of unqualified labour and the living-in system of employment. Assistants were in attendance from Avonmouth, Basingstoke, Birmingham, Bristol, Coventry, Kidderminster, Liverpool, London, Manchester, Tenbury, Tamworth, Walsall, and Worcester. The meeting lasted for about four hours. At the outset Mr. F. Clarke (Weston-super-Mare) was voted to the chair. He formally moved that a National Union of Assistant Pharmacists should be formed, and suggested that the rules of the Shop Assistants' Union should be taken as the model, but he deprecated anything in the nature of hedging themselves round with rules. Mr E. S. Francis (Birmingham) seconded the motion, and in so doing said that two fundamental questions affected all assistants in the craft—viz., hours and wages—and on these, he added, the Union must concentrate attention. Assistants were valued at the market price they placed upon themselves. He considered that chemists' assistants deserved more than the salaries obtainable by managers for multiple-shop concerns in other branches of trade, because the expense of their training is greater.

Mr. J. Smith (Harborne) said the new Pharmacy Act indicated the necessity to both master and man for an introspective survey of their positions in pharmacy. Why there should be a seven-o'clock closing-hour at Newcastle, increasing as one comes south to ten o'clock in London, cannot be logically answered. To compel a man to work thirteen or fourteen hours a day for a pittance is to brutalise that man and render him an automaton, unfit—intellectually, physically, and at times morally—to take his proper place in the march of progress and civilisation. Indoors an assistant is in an isolated position, not quite meet for the master and not inclined to mix with the domestics. Pharmacy, through defective drafting of the Charter and the senseless widows clause, has, he continued, been invaded by capitalism, and it is increasingly difficult for the small legitimate pharmacist to gain a living. For the defects of employment, he said, there is no other effective remedy than unionism. As assistants of to-day, he concluded, we hope to become employers to-morrow, and are, therefore, more vitally concerned in the future of pharmacy than even our employers.

Mr. Joseph M. Dowty (Bristol), to whom the initiation of the movement is due, said it was just six weeks since he first appealed for support, and on an average he had added thirty supporters each week. They came from sixty-six towns in England, Scotland, and Wales. Twenty-five men in Bristol had guaranteed one guinea each if needed. He appealed to all to lay aside their own wishes and form a solid body with one thought and one aim—the betterment of pharmacy and pharmacists. After some discussion, it was decided to leave the question of unqualified assistants being admitted to the Union for reconsideration twelve months hence. The motion was agreed to, as were also the following principles :

Name.—The Union shall be called the National Union of Assistant Pharmacists.

Objects.—(1) The fixing and maintaining of a minimum wage for qualified assistants. (2) The limitation by constitutional means of the hours of labour and to support legislation by Imperial Parliament to that end. (3) To deal with the illegal encroachment of unqualified labour upon the duties and privileges of qualified employés. (4) To secure direct representation of the Union upon the Council of the Pharmaceutical Society. (5) The formation of an employment bureau. (6) The furtherance of the interests of employés in pharmacy, and of pharmacy in general. (7) To deal with the living-in system. (8) Limitation of dispensing in public institutions to the supervision of pharmacists. (9) Extension of exemption from jury service to pharmacists.

The following office-bearers were then elected : President, Mr. Joseph M. Dowty (Bristol) ; Vice-President, Mr. J. Smith ; Hon. Treasurer, Mr. V. Bottomley (Bristol) ; and Hon. Secretary, Mr. S. C. Farrer (Sparkhill), with the following executive : Messrs. Francis (King's Heath), Stevenson (Coventry), Waldron (Liverpool), Clarke (Weston-super-Mare), Wilson (Birmingham), Findlay (Bristol), and Woodcock (Handsworth).

A meeting was also held at Mr. G. Parkhouse's rooms, 22 High Street, Ealing, London, W., on the same day. Mr. C. Terry Holloway was in the chair, and explained that the business was, first, to appoint two members on the Central Executive Committee, and a committee for London. Mr. E. A. Lenton and Mr. C. T. Holloway were then elected to the Executive Committee, and the following were appointed the London (Local) Committee : Messrs. E. A. H. Shelley, 16 Old Town, Clapham, S.W. ; F. Bullen, 85 Lydhurst Avenue, Streatham, S.W. ; R. Y. Sanders, 37 Ladbrook Road, S.W. ; A. Catto, 63 Pulteney Road, South Woodford, N.E. ; G. Parkhouse, 22 High Street, Ealing, W. ; and E. A. Lenton (Hon. Secretary), 64 Falmouth Road, Newington, S.E. The treasurership was left open until the first committee-meeting, and it was agreed that the committee should have power to add to its number.

Mr. Lenton suggested that the Union might be affiliated to, or come to some working arrangement with, the National Union of Shop Assistants, and he was asked to bring the matter before the Executive Committee. It was decided to hold another open meeting shortly to discuss the result of the Birmingham meeting.

The London Committee are arranging for a general meeting in London on Whit-Monday.

Spanish Pimento.—The pimento crop in the province of Alicante was about 3,300,000 kilos. last season. A good deal of the fruit is sold fresh in Spain, and a certain proportion is also ground into the red pepper so much used in cooking throughout Spanish-speaking countries. This is sent out, after grinding, in sacks and tin boxes.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., April 15.

THE week under review having been broken into by the Easter holidays, business has naturally been quiet, with only a few alterations in prices, and those of a minor character. Cascara sagrada has been in more inquiry at steady prices. Chamomiles are quiet and unaltered. Gentian remains scarce both on spot and for shipment. Soudan acacia is somewhat easier, and from Trieste an advancing market is reported for insect-flowers. Copaiba has eased somewhat in the United States, where jalap continues firm. Cod-liver oil is dull and easy, with a satisfactory outlook for the Finmarken fishing. Saffron is advancing steadily in Spain, and valerian is also held for more money. Sicilian dealers in lemon oil are asking advanced rates consequent upon a better demand for the U.S.A.; bergamot and orange are quiet and unaltered. Cassia and star-aniseed oils are lower for shipment, owing to the proposed suggestion by the U.S. Senate to restore essential oils to the free list again. The same remarks apply to spices, which are generally lower, but until the Bill is finally enacted, uncertainty prevails. Among chemicals, crude China camphor is firm, and Japanese refined has been sold at full prices for shipment. Quinine is neglected. The leading changes have been as follows:

Higher	Firmer	Easier	Lower
Camphor-flowers (German) Canada balsam Canary seed Lemon oil Linseed oil Turpentine	Saffron Valerian	Ammonia-sulphate Gum arabic (Soudan) Sandarac	Aniseed oil (c.i.f.) Cassia oil (c.i.f.) Cloves Pepper Wintergreen oil

Cablegrams.

New York, April 15:—Business in drugs is moderate. Opium is quiet and unaltered at $4.35 per lb. for druggists'. Copaiba is easy at 48c. for Central and South American. Balsam Canada is dearer at $6.90 per gal., and cascara sagrada is firmer at 8½c. Peppermint oil is steady at $1.45 per lb. in tins, and jalap is firm at 35c. per lb.

Bergen, April 14:—The total catch of cod for the whole of Norway since the beginning of the season amounts to 35,069,000, against 32,518,000 at the corresponding date last year. The total yield of steam-refined oil approximates 34,000 barrels, against 39,200 barrels at the same date in 1908. The fishing at Finmarken has opened satisfactorily, and the market for finest non-freezing medicinal quality is dull at the equivalent of 64*s*. per barrel c.i.f. terms.

Java Quinine Auction.

At the auction of quinine held at Batavia on April 7, 3,642 kilos. Ed. II. were offered, of which 2,382 kilos. were sold at an average price of 10.50fl. per kilo. (=3c. Amsterdam unit), against the same price at the previous auction.

Heavy Chemicals.

There has been a rather better inquiry since last writing in the heavy-chemical market for both main and miscellaneous products, except, of course, during the holiday period. General deliveries against contracts have been fairly satisfactory, and there seems to be a feeling that a better business may be expected both on home and export account. Caustic soda and ammonia alkali may be particularly mentioned as being in better request. Bleaching powder also is steadier. Values keep on the steady side and without material fluctuations.

Sulphate of Ammonia.—Immediate requirements seem to have been fairly well covered, and business therefore is quiet, and the tone for the moment a trifle on the easy side. Present nearest figures are: Beckton prompt 11*l* 17*s*. 6*d*., Beckton terms 11*l*. 8*s*. 9*d*. to 11*l*. 10*s*., London 11*l*. 7*s*. 6*d*. to 11*l*. 8*s*. 9*d*., Leith 11*l*. 12*s*. 6*d*. to 11*l*. 15*s*., Liverpool 11*l*. 10*s*. to 11*l*. 12*s*. 6*d*., and Hull 11*l*. 8*s*. 9*d*. to 11*l*. 10*s*.

Zinc Salts keep in fair average demand and rule steady at unaltered figures. Zinc sulphate crystals 6*l*. 15*s*. to 7*l*. per ton, zinc chloride solution 100° Tw. 6*l*. to 6*l*. 5*s*. per ton.

Sulphocyanides are without material improvement either as regards demand or values. Potassium 7*d*. per lb., ammonium, 95 per cent., 6¾*d*. per lb., and barium, 95 per cent., 3¼*d*. per lb.

Benzols, generally speaking, continue very quiet, and this particularly applies to 90 per cent., which keeps at the low figure of 5½*d*. to 6*d*. per gal.; 50 per cent. are somewhat steadier at 6*d*. to 6½*d*. per gal., according to market.

Lead Products have an advancing tendency, and are moving fairly well. White acetate of lead 23*l*. 5*s*., and brown acetate of lead 19*l*. 7*s*. 6*d*., nitrate of lead 25*l*. 5*s*. to 25*l*. 10*s*., and all less 2½ per cent. Glasgow; white lead 16*l*. 15*s*. and red lead 16*l*. per ton Tyne.

Manchester Chemical-market.

April 13.

The returns of exports of heavy chemicals for March are, so far as quantities are concerned, eminently satisfactory, but as has been the case for sometime past, values have fallen for most products in the heavy department. Chemicals, drugs, and dyes show a decline of 49,928*l*., but this is inappreciable on a value of 1,653,179*l*. The past week has shown little movement owing to the Easter holidays. Sulphate of copper remains quiet but steady at from 18*l*. 5*s*. to 18*l*. 15*s*. English brown acetate of lime is very firm. Foreign is 6*l*. 5*s*. to 6*l*. 7*s*. 6*d*., and grey 8*l*. 10*s*. to 8*l*. 12*s*. 6*d*. In heavy chemicals trade is slow. Caustic soda, 70-per-cent., however, is fairly steady at 10*l*. 5*s*. per ton, and bleaching powder ranges from 4*l*. 2*s*. 6*d*. to 4*l*. 5*s*. per ton in softwood casks on rails at works. Coal-tar products show little change on the week. Heavy naphthas are a trifle easier at from 9½*d*. to 10½*d*. Heavy oils are also in buyers' favour at from 2⅚*d*. to 3*d*. Benzols quiet, but crude carbolic acid is somewhat dearer for certain deliveries.

American Drug-market.

New York, April 6.

The volume of business in drugs and chemicals is still rather light, but on the whole a mild improvement in the market conditions has developed. A few price changes have taken place, including lower quotations for opium and copaiba, higher for Canada balsam and jalap.

Aloes.—Demand for case Curaçao has fallen off, and with keen competition for the business prices are easy at 6½c. to 7c.

Camphor is in fairly good inquiry owing to the approach of the moth season, and prices are steady at 46c. to 49c. according to style of packing.

Cascara Sagrada.—There have been no important developments in this market, and with a quiet jobbing business in progress prices are unaltered at 8½c. to 9c.

Copaiba.—The position has eased somewhat owing to recent arrivals of Maracaibo and Angostura, which have not as yet been disposed of. Up to 52c. is still quoted in some quarters, but 48c. will buy U.S.P. goods.

Guarana is in quiet demand at the former price of $1.75.

Hydrastis.—Only small jobbing parcels have changed hands, and $1.80 to $1.90 has been paid for fall-dug on spot. Primary markets are reported firm.

Jalap continues in good demand for domestic and foreign account. Fairly large shipments from primary sources have recently arrived, but most of the stock is in firm hands, and 35c. is an inside figure for U.S.P. grades, with the trend of prices upward.

Lithium Carbonate.—Competition in this article is still very keen, and the low range of 40c. to 50c. is in force.

Mandrake.—The market continues rather firm, and from 7c. to 8½c. is quoted. Good drug is scarce, both here and in primary markets, most of the offerings being of very inferior grade. The same applies to the resin, which is difficult to obtain for U.S.P. standard, and is quoted at $2.50 to $3.50.

Opium.—The increased activity noted in last report, due to the prospective 50c. increase in duty and the chances of greater demand on account of the total exclusion of the smoking variety, has now subsided. The market is quiet, with the case price reduced to $4.40 owing to competition.

Peppermint Oil (American) is quiet but steady on spot at $1.45 to $1.55 for tins. Country supplies are reported available on easier terms.

Tonka.—Angostura is in better demand, and with limited stocks on hand dealers are firm at $1.25 to $1.50.

Wintergreen Oil.—Birch oil is in plentiful supply at primary sources, and holders desiring to move their stock offer at the lower price of $1.50. So-called true leaf oil is quoted at $3.25 to $3.40.

Acid, Citric.—Both British and foreign makers have lately been purchasing citrate of lime from the Camera Agrumaria at full prices, from which it may be anticipated that there will be no substantial reduction in values of citric acid this summer. There is very little demand at the moment, and prices are unaltered at from 1*s*. 5*d*. to 1*s*. 5½*d*. per lb. for either English or foreign from second-hands.

Aloes.—The *Kinfauns Castle* has brought 26 cases from the Cape, and 6 cases of skin aloes have also arrived from Aden. Other arrivals include 60 kegs of Socotrine.

Benzoin.—There is a good inquiry for fine Sumatra quality at about 10*l*., but such does not exist, otherwise the article is slow. About 100 cases Sumatra have arrived this week.

Bromides are steady, but there is very little demand from makers at the moment, everybody being well-stocked.

Camphor (Crude).—China is quoted 140*s*. to 145*s*. on the spot, and at 140*s*. c.i.f. The London stocks are only small, and some sellers are holding back in anticipation of better prices later.

Camphor (Refined).—The German refiners have advanced the price of flowers to 1*s*. 9*d*. per lb. Japanese refined (1 oz.) continue scarce on the spot, and for May-June shipment 1*s*. 6¾*d*. c.i.f. has been paid; ¼ oz. are offered at 1*s*. 7½*d*. and for slabs 1*s*. 5½*d*. c.i.f. has been paid for June-July and 1*s*. 5½*d*. c.i.f. for July-August shipment.

Canary-seed is dearer. Good Morocco has been sold at 36*s*. to 37*s*. 6*d*. per quarter, but Turkish is held off the market in expectation of higher prices.

Cardamoms.—Arrivals aggregating 273 cases have taken place since our last report.

Cascara Sagrada has been in more inquiry, with sales of several ton lots at 37*s*. 6*d*. per cwt. spot; nothing further has been done for shipment.

Chamomiles are steady but quiet at from 42*s*. 6*d*. to 45*s*. for No. 1 Belgian, 40*s*. for No. 2, and 37*s*. 6*d*. for brownish thirds on the spot.

Cinchona.—The next auction at Amsterdam will be held on May 6 and comprises 4,680 packages Ledgeriana, 735 cases and 1,227 bales Succirubra, and 1,268 packages hybrid, making a total of 7,910 packages.

Cloves.—Quiet and somewhat lower, with spot sales of fair Zanzibar at 5*d*. For April-June shipment 4 5/16*d*. to 4¼*d*. c.i.f. d/w has been paid, and 4 9/16*d*. to 4½*d*. for August-October delivery.

Coca-leaves.—At auction at Amsterdam on May 6, 91 packages Java will be offered.

Dragon's-blood.—Further small sales ex auction have been made at 10*l*. 10*s*. per cwt. Nine cases of fine reboiled lump have arrived.

Gambier.—Small sales of cubes have been made at 33*s*. 6*d*. per cwt. spot.

Gamboge.—There are no arrivals to report, and the stock of fair Siam pipe is now in very small compass. Ordinary Saigon is plentiful, but it is difficult to sell.

Gentian.—For the small quantity that is on the spot 21*s*. is asked, and at the moment there are no offers for shipment.

Ginger.—No auctions have been held. Privately Jamaica has been selling at an advance of from 2*s*. to 3*s*. on recent prices, the sales including medium at from 60*s*. to 65*s*. per cwt.

Gum Arabic.—East Indian is quiet and unaltered, Ghatti being quoted at 31*s*. 6*d*. for No. 1 and 18*s*. 6*d*. for No. 2 c.i.f. terms; market is bare of other East Indian grades. Soudan gums are easier, buyers' idea being about 28*s*. c.i.f., but sellers ask 30*s*. c.i.f. Of Senegal (Bas de Fleuve) the supplies arriving at Bordeaux have been disposed of at, it is said, 30*s*. 6*d*. per cwt.

Insect Flowers.—Closed Dalmatian flowers are offered at from 150*s*. to 155*s*., half-closed at 115*s*. per cwt., and "open," which are scarce, at 95*s*. spot. Finest English ground powder from closed flowers is offered at 1*s*. 7*d*. and from half-closed flowers at 1*s*. 2*d*. per lb. Latest advices from Trieste report a firm and advancing market, and there is a fair spot demand, the sales including "closed" at 150*s*.

Ipecacuanha.—The parcel of 18 bales East Indian offered last week has since been disposed of at, it is said, 5*s*. 10*d*. per lb. Rio is quiet at 5*s*. per lb., and for Cartagena 4*s*. 5*d*. is wanted. Seventeen bags of the latter description have arrived.

Oil, Aniseed, Star.—The fact that essential oils have been restored to the free list in the Tariff Bill submitted to the United States Senate, as against the 25 per cent. *ad valorem* duty proposed by the Payne Bill in the House of Representatives, has caused an easier feeling, and prices for shipment are lower.

Oil, Bergamot.—According to an advice from Sicily dated April 3, there has been little activity, prices remaining practically unchanged at 17*s*. up to 20*s*. 6*d*. per lb. c.i.f. terms, according to brand. At the close the market is rising, and business has been done at 18*s*. 6*d*. c.i.f. to come forward.

Oil, Cassia is very quiet at 4*s*. 6*d*. per lb. for 80 to 85 per cent., 4*s*. 2*d*. for 75 to 80 per cent., and 4*s*. for 70 to 75 per cent. on the spot; for arrival 80 to 85 per cent. is quoted 3*s*. 6½*d*. c.i.f., after being down to 3*s*. 3½*d*.

Oil, Citronella.—Ceylon is steady on the spot at from 1*s*. 1½*d*. to 1*s*. 2*d*. per lb.

Oil, Cod-liver.—From Bergen our correspondent writes on April 5 that the fishing at Lofoten was again favoured with exceptionally fine weather, which allowed all the boats to work without interruption. The week's catch was therefore good, amounting to about 3½ million cod for the Lofoten districts. For the whole of Norway the official statistics since the opening of the season are as follows :—

	1909	1908	1907
Catch of cod (millions)... ...	32.8	32.1	26.2
Yield of cod-liver oil (barrels)	32,240	37,070	24,000
Livers (hect.)	8,900	9,700	8,800

The fishing at Lofoten is now closing, and most of the crews have departed. A curious fact is that during the week under review the cod did not lose in weight, and the richness of liver and the oil percentage were practically the same as the previous week. The market has been quiet throughout, and prices have declined. There is no actual quotation to-day (April 5), but the nominal value is about 66*s*. c.i.f. London. The exports from Bergen up to April 5 amount to 4,048 barrels, against 3,386 barrels at the same date of last year. The London market is quiet and easy in sympathy with Norway, agents offering new Lofoten oil at from 63*s*. to 66*s*. per barrel c.i.f. according to brand.

Oil, Lemon.—An advice from Palermo dated April 3 states that "the market has been influenced by the probability of the United States Congress imposing a duty on this article [see paragraph on p. 589]. There has been a fair demand from that quarter for immediate shipment, and other foreign buyers have come forward, fearing a further advance in the market. Sellers therefore availed themselves of this favourable opportunity to increase their asking prices, and the position remains generally strong. It has become apparent that the wholesale speculation which formerly played an important *rôle* in Messina is entirely lacking this year, so that, with the exception of blank sales previous to the disaster, most of the export business has been hand-to-mouth. Quotations vary from 4*s*. 3*d*. to 4*s*. 6*d*. per lb. c.i.f., according to brand, and on the spot 4*s*. 6*d*. is asked for good brands, with a fair consumptive demand.

Oil, Lemongrass.—Cochin of good analysis has been sold at 2¼*d*. per oz. on the spot.

Oil, Olive.—H.M. Consul at Seville reports that the shortage of the Spanish olive-crop in 1908 is attributed to the weakened condition of the trees after the previous year's heavy crop. The trees blossomed well in the spring, but the fruit did not develop, and much of it fell from the trees prematurely through lack of sap. In some districts damage was also done by the olive fly. There was much

more oil on the market last year than was produced during the year, owing to the fact that the most important firms make a practice of holding back their stocks when prices are unfavourable, as was the case in 1907.

Oil, Orange, is quiet and unaltered, *sweet* offering at 7*s*. 2*d*. to 8*s*. 10*d*., and *bitter* at 7*s*. 7*d*. to 8*s*. 6*d*. per lb. c.i.f. terms, according to brand.

Oils (Fixed).—*Linseed* has advanced to 21*s*. 6*d*. per cwt. in pipes on the spot, East Indian being quoted at 1*s*. premium on the above, and for barrels the closing quotation is 21*s*. 10½*d*.; *Coconut* is firmer at 29*s*. per cwt. for Ceylon, and at 33*s*. 6*d*. for Cochin on the spot; *Cottonseed* is dearer at 23*s*. 3*d*. for crude on the spot, 24*s*. 6*d*. for ordinary pale refined, and 26*s*. 3*d*. for sweet refined; *Rape* is nominal at 27*s*. for ordinary brown crude, and at 29*s*. for English refined in casks; *Turpentine* has advanced 9*d*. to 1*s*. on the week, American closing at from 27*s*. to 27*s*. 3*d*. per cwt. on the spot; and *Petroleum* is quiet and unaltered at 6*d*. to 6¼*d*. for Russian, 6½*d*. to 6⅞*d*. for ordinary refined American, and at 7½*d*. to 7⅞*d*. for water-white.

Olibanum.—Quiet, at from 30*s*. to 35*s*. per cwt. for middling to fair drop, 27*s*. for ordinary, and 15*s*. for garblings, at which small sales have been made.

Opium.—A Smyrna correspondent writes on April 3 that little business has been done, although there has been a fair inquiry. Holders, who at the beginning of the week facilitated business, raised their pretensions, and the market closes steadily with buyers. The sales comprise 11 cases new extra Karahissar t.q. at the equivalent of 11*s*. 6*d*., four cases new prime ditto t.q. at 10*s*. 6*d*. to 10*s*. 7*d*., and 16 cases Adette at 10*s*. to 10*s*. 1*d*. c.i.f. European ports. The arrivals amount to 2,045 cases, against 1,369 cases at the corresponding date of last year. Another correspondent writes on April 3 that the sales amount to 30 cases for export at 106 piastres for extra Karahissar, and from 91 to 102 for secondary qualities, or 11*s*. 9*d*. and 10*s*. 2*d*. to 11*s*. 4*d*. per lb. c.i.f. European ports. The pressure brought to bear by the banks and the favourable weather have induced holders to part with their stocks. Should the prophecies in regard to a good crop prove correct, a further fall in prices of 10 per cent. is probable. Writing again on April 15, a Smyrna advice states that the sales for the week were nine cases current qualities of Karahissar at 11*s*. to 11*s*. 2*d*. per lb. c.i.f. European ports. Large holders have again associated to maintain prices up to the new harvest, and some buyers have been offering 104 piastres, or 11*s*. 6*d*., for extra Karahissar, but without result. Market closes firm. Another Smyrna advice of April 9 states: "We have to report a firmer market, owing to unseasonable cold weather which set in this week, rendering the coming crop conditions rather precarious. It must be understood that a large percentage of the poppy-seed sowings have been carried out this year during February and March; therefore the young exposed plants will be frostbitten in the high plateaus, where the temperature at night falls much below freezing-point. Holders unanimously refused to again accept the lower rates established lately, and only nine cases changed hands for England and the U.S.A. at about 4*d*. per lb. higher than last week's rates. The arrivals to date amount to 2,047 cases, against 1,377 at same period last year."

Pepper.—No auctions have been held this week. Privately fair Singapore is offered at 3¼*d*. spot, being unchanged, and for arrival the sales include April-June and June-August shipment at 2 15/16*d*. c.i.f. d/w, with further sellers.

Pepper (White).—The demand on the spot continues slow, but prices are unaltered at 5¼*d*. for fair Singapore quality. For arrival the business includes twenty tons for April shipment at 4 13/16*d*., but subsequently 4½*d*. c.i.f. was accepted for June-August shipment.

Pimento.—Quiet, at 2 1/16*d*. on the spot, and for distant shipment sellers ask 20*s*. c.i.f.

Quinine is steady but inactive at 7*d*. per oz. for the usual German brands from second hands, and at 6¾*d*. for Java and other "outside" makes. The next auction of the Amsterdam Quinine-works will take place on April 27, when 50,000 oz. net quinine sulphate (B.P.) will be offered.

Saffron shows a steadily advancing market in Spain, and the quotation for finest Valencia is now 33*s*. per lb. net on the spot.

Sarsaparilla.—An important arrival of 56 bales, expected to be Lima-Jamaica, has taken place from Panama, and five bales of red Native-Jamaica have also come to hand.

Shellac.—Steady and in quiet demand on the basis of 70*s*. for fair free TN Orange, and for arrival April-June shipment of TN has been sold at 66*s*., while for A.C. garnet sellers ask 65*s* c.i.f. terms, there being spot sellers at 60*s*. to 67*s*. 6*d*. according to condition. G.A.L. on the spot is 57*s*. 6*d*. to 62*s*. 6*d*. Good and fine orange marks are slow at 87*s*. 6*d*. to 110*s*. Futures have been quiet but steady, the small sales including May delivery at 68*s*. and buyers of August at 70*s*.

Soda Nitrate.—Firm on the spot, at 10*s*. 7½*d*. for refined and at 10*s*. 6*d*. per cwt. for ordinary. Liverpool is firm at 10*s*. 7½*d*. and 10*s*. 9*d*.

Soy.—A fair business has been done at 1*s*. 2½*d*. per gal., duty paid.

Spices.—Prices at the opening of the market on Tuesday were somewhat nominal, owing to the fact that the Tariff Bill before the Senate proposed to restore spices to the free-list, as compared with the 30-per-cent. *ad valorem* duty imposed by the Payne Bill in the House. The London auctions, which were suspended this week, will be resumed on April 21.

Sugar.—The impression prevails in the sugar and confectionery trades that the Chancellor of the Exchequer will again advance the sugar-tax to 4*s*. 2*d*. per cwt., in which case a proportionate advance may also be expected in preparations containing sugar.

Turmeric.—Bengal is slow of sale at 19*s*. on the spot and at 15*s*. c.i.f. for ordinary. Madras is unaltered, and Cochin split bulbs are offered at 12*s*. on the spot.

Valerian is firmer, at from 24*s*. 6*d*. to 25*s*. per cwt. c.i.f. terms for foreign.

Wax, Japan.—Quiet, with small spot sales at 48*s*. per cwt.

Natural Wintergreen Oil.

A New York essential oil firm has issued the following circular: "After convincing ourselves that it is impossible to give a guarantee for the genuineness of oil of wintergreen leaves, and after further convincing ourselves that the whole distillation of this oil is in such limited quantities that it may be considered unobtainable, we have come to the conclusion to discontinue entirely the sale of oil wintergreen leaves natural. One so-called distiller in Spring Glen, N.Y., confessed to us that the oil he shipped came from an essential oil house (giving the name) in New York, which prepared an article so as to conform to the requirements of the U.S.P. We are in a position to offer the same compound, answering all the requirements of the U.S.P. for wintergreen leaves, at the same price as oil of birch, or much lower, according to the proportion of artificial wintergreen which is desired. Any quantity of oil wintergreen leaves, no matter by whom sold, should be considered as of identically the same character. We are willing to take this up, if our statement should be disputed, provided the party is willing to show by their books the genuineness of their oil, disclosing the source of supply, and not only by a chemical analysis. As long as this is not done, we shall consider as suspicious any oil of wintergreen-leaves supplied, no matter whose signature guarantees its genuineness." This is an extreme position for any firm to take, says "Drug Topics," and one which is hardly warranted by the facts. All the trade knows that no article has been the subject of so much sophistication as has oil of wintergreen. But this is no excuse for any firm refusing to deal in a genuine article. Better would it have been had the firm in question made a detailed investigation at the sources of supply, as some other houses have done, and endeavoured to secure a supply of the true leaf oil, conducting thereby a little educational campaign on the value of honesty in trading. It is no credit to a firm to list a compounded article when the genuine is obtainable at a slight expenditure of time and energy. Wintergreen herb is plentiful in many sections, and yields a much larger percentage of oil than does birch-bark, consequently there is no great difficulty in securing supplies of true leaf oil, provided one knows where to go for it.

Formosan Camphor Exports.

H.M. Consul at Tamsui reports that the exports of camphor from Formosa in 1908 showed a falling-off of about 33 per

cent. as compared with 1907. The distribution of the export for the two years was as follows:

—	1907	1908
To—	lb.	lb.
Hong Kong (ultimate destination Europe)	1,904 933	561,600
United Kingdom	548,000	46 000
India, *viâ* Hong Kong	—	4 000
France	—	278,666
Germany	—	53,333
United States	588,900	870,400
Japan	—	536,734
Transhipped at Kobe—		
To United States	1,046,400	—
,, India	33,333	—
Total	4,121,566	2,764,733

The total export to Europe in 1908 was 1,353,599 lb., as against 2,452,933 lb. in 1907, a decrease of 1,099,334 lb.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of March 1909, and to the stocks on March 31.

—	March		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....cs. etc.	174	215	413	209	432	430
,, ... gourds, etc.	—	979	291	1,538	92	1,009
Aniseed, star .....cs.	—	—	74	—	—	—
Arrowroot .....pkgs.	679	852	5,461	7,149	1,764	2,724
Balsams ... cks. etc.	156	77	414	356	210	158
Calumba ..... bgs.	—	20	108	238	28	107
Camphor ..... pkgs.	760	1,007	533	1,804	1,145	2,154
Cardamoms..... ,,	516	443	897	1,740	1,125	1,119
Cascara Sagrada tons	12	22	†583	—	17	36
Cinchona ... pkgs.	243	426	4,303	4,305	1,478	1,358
Cocculus indicus ,,	—	—	—	17	—	—
Cochineal..... ,,	160	111	914	669	418	231
Cubebs .... ,,	38	20	121	188	33	37
Dragon's blood ,,	10	16	88	69	30	48
Galls ..... ,,	549	219	1,532	1,927	1,006	751
Gums—						
Ammoniacum ,,	6	2	14	10	6	2
Animi ..... ,,	76	96	264	254	307	282
Arabic ..... ,,	561	876	4,483	5,129	942	2,163
Asafetida..... ,,	—	25	66	328	125	133
Benzoin ..... ,,	310	311	1,083	522	1,213	705
Copal..... ,,	3,597	3,233	25 697	15,934	10,768	12,702
Damar ..... ,,	467	457	3,412	2,402	1,242	1,270
Galbanum ... ,,	—	—	—	—	—	—
Gamboge..... ,,	8	16	129	85	145	93
Guaiacum ... ,,	—	—	70	41	6	7
Kauri ... tons net	28	50	434	686	85	205
Kino ..... pkgs.	—	5	112	55	—	16
Mastich ..... ,,	10	3	18	—	20	11
Myrrh, E.I.... ,,	8	57	340	294	85	123
Olibanum ... ,,	105	166	1,188	1,325	113	392
Sandarac ..... ,,	107	111	576	496	420	296
Tragacanth... ,,	1,932	1,264	4,968	4,660	4,438	3,659
Ipecacuanha—						
Cartagena ... ,,	23	11	42	58	61	36
E.I. ("Johore") ,,	18	1	21	40	18	2
Matto Grosso ,,	23	25	93	51	34	52
Minas ..... ,,	—	4	27	46	17	10
Jalap ..... bls.	—	4	—	25	—	14
Nux vomica . .pkgs.	—	177	651	462	108	246
Oils—						
*Anised, star...cs.	15	—	69	21	50	10
*Cassia ..... ,,	10	16	112	50	90	48
Castor ..... pkgs.	73	90	200	385	219	282
Coconut..... tons	48	329	372	387	222	1,321
Olive ..... pkgs.	1,517	798	2,430	1,481	3,133	2,566
Palm ..... tons	—	4	3	4	6	11
Quinine ..... lbs.	4,375	4,493	207,627	212,571	14,688	16,534
Rhubarb ..... cs.	21	64	679	477	64	277
Sarsaparilla ... bls.	65	116	310	216	350	304
Senna ..... pkgs.	218	256	777	744	993	1,231
Shellac ..... cs.	2,538	5,754	41,759	28,219	8,058	14,420
Turmeric ..... tons	45	23	259	312	92	63
Wax—						
Bees ... .pkgs.	865	439	1,762	1,382	1,427	1,572
Vegetable (Jap),,	165	65	510	292	490	162

* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

† Includes Millwall Dock returns, not previously recorded.

Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

Wednesday, April 21.

Newcastle-on-Tyne Chemists' Association, Hôtel Métropole, Clayton Street West, at 8 P.M. Nomination of President-elect. "Notes on the Poisons and Pharmacy Act," by Mr. F. Gilderdale.

Nottingham Pharmaceutical Association, Chemical Lecture Theatre, University College, at 8.45 P.M. Dr. R. M. Caven on "The Gases of the Air," illustrated by lantern slides and experiments.

Portsmouth Pharmacists' Association, Victoria Hall, Commercial Road, at 3.30 P.M. General meeting, at which report of sub-committee on the Poisons and Pharmacy Act will be received.

Bournemouth Pharmaceutical Association, Gervis Hall Restaurant, at 7.30 P.M. Whist-drive. Tickets (lady's 2*s.*, gentleman's 2*s.* 6*d.*) from Mr. W. A. Bingham, Hon. Secretary, 58 Charminster Road.

Royal Microscopical Society, 20 Hanover Square, London, W., at 8 P.M. Mr. E. Heron-Allen on "The Recent and Fossil Foraminifera on the Shore-sands of Selsea Bill," and Mr. E. J. Sheppard on "The Disappearance of the Nucleolus in Mitosis."

Wolverhampton Chemists' Association, Star and Garter, at 8.30 P.M. Mr. F. G. Gibson will open a discussion on the Poisons and Pharmacy Act.

Sheffield Pharmaceutical and Chemical Society, Lecture-room of the Literary and Philosophical Society, Church Street, at 9P.M. Mr. J. Evans on "Preservatives and Colouring-matter in Foods."

Forfarshire Chemists' Association, Mathers' Hotel, Dundee, at 4 P.M. Ordinary meeting.

Thursday, April 22.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Discussion on "Shorter Hours for Pharmacists."

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Musical and social evening.

Glasgow and West of Scotland Chemists' Association, 51 West Regent Street, Glasgow, at 9.15 P.M. Annual meeting and election of officers.

Friday, April 23.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Mr. A. Siemens on "Tantalum and its Industrial Applications."

Western Chemists' Association, Restaurant Frascati, Oxford Street, London, W., at 8. P.M. Whist-drive. Tickets (3*s.* 6*d.* with light refreshments, or 6*s.* with balcony supper) from Mr. H. Raithby Procter, Hon. Secretary, 113 The Grove, Hammersmith, W.

Pharmaceutical Society of Great Britain, North British Branch, 36 York Place, Edinburgh, at 11.30 A.M. Discussion on the report of the Committee of Reference in Pharmacy to the Pharmacopœia Committee of the General Medical Council, opened by Mr. Thomas Stephenson, Ph.C., F.C.S. At 1 P.M. adjournment for luncheon, after which there will be a private conference on the new situation created by the passing of the Poisons and Pharmacy Act, 1908.

The annual dinner of the Pharmaceutical Society of Great Britain will be held on May 18 at the Holborn Restaurant, London, W. Tickets (one guinea each) from Mr. R. Bremridge, Secretary, 16 Bloomsbury Square, W.C.

Cottonseed Oil.—H.M. Consul at St. Louis, reporting on the use of cottonseed oil for edible purposes, states that there is an increasing consumption in the United States of compound lard and other edible greases in which cottonseed oil is used, and he thinks that a similar industry could be developed in the United Kingdom. The export of compound lard from the United States is large and growing, nearly 20,000,000 lb. being exported to the United Kingdom alone in 1907, while the home consumption is very large, though governed somewhat by the production of what is known as pure lard.

Society of Chemical Industry.

LONDON SECTION.

MR. E. GRANT HOOPER occupied the chair at a meeting of this Section held at Burlington House, Piccadilly, W., on April 5.

Boghead Cannel Coal.—Mr. Watson-Smith exhibited a specimen of Boghead cannel coal or Torbane Hill mineral, which is now exhausted. In describing it, Mr. Watson-Smith gave interesting particulars of a lawsuit in Edinburgh in 1853 between the landowner and leaseholder of the estate where the coal was obtained. The dispute turned on the question of What is coal? If the mineral was coal, the lessee was within his rights in mining it; but if, as the lessor contended, the substance was a "bituminous schist" and not coal, the leaseholder required more rent for the right to mine it. It was decided that the substance was coal, but about the same time a lawsuit in Germany decided that the substance was a bituminous schist.

Sheradising.—Mr. Sherard Cowper-Coles was then called upon to give his paper on "Vapour Galvanising." This was a detailed description of a process invented by Mr. Cowper-Coles of covering articles with zinc. The usual method is to dip the iron articles in melted zinc, but in this new process zinc vapour is employed. Zinc dust containing about 20 per cent. of zinc oxide is placed along with the iron articles in an iron drum, 6 ft. long and 2 ft. in diameter, the lid screwed down, and the drum run into a gas-heated furnace. The temperature is raised evenly, the drum being rotated to this end, and at between 500° and 600° F. (below the melting-point of zinc) the zinc is deposited on the surface of the iron. The zinc forms an alloy with the iron which is very resistent to wear and never rusts. By means of lantern-slides the process, which has been in operation for a few years, was shown. After heating the drum it is allowed to cool and the contents emptied on to a grating. The zinc dust is thus separated and the sheradised articles are washed by means of a steam-jet, which also serves to oxidise the surface and make the coating of zinc more durable. Special plants have been devised for the sheradising of iron plates for lithographic work and the coating of tubes. Some recent developments consist in inlaying and onlaying for decorative purposes. A composition in the form of a paste of iron, copper, zinc, or nickel, with asbestos, is placed on a metal plaque, for instance, cut away according to the required design and then heated as stated above. Copper can thus be inlaid with brass by using a zinc plate, and by means of the usual sulphiding process further colour effects can be imparted. Sheradised zinc is not spangled or frosted like hot galvanised zinc or electrically galvanised zinc, but has a distinct lustrous and metallic appearance. The thickness of the zinc is so slight that bolts and nuts do not have to be retapped after they have been sheradised. The method is not adapted for making buckets and tanks watertight, as is the hot galvanising process. It was pointed out that the copper-sulphate test for galvanised zinc does not answer with sheradised zinc on account of the different state of the zinc; but the ferric-sulphate test is applicable. An interesting discussion took place after the reading of the paper. One speaker contended that the vapour of zinc has nothing to do with the success of the process. The method is cheaper than hot galvanising because only 3 per cent. of zinc is used against 10 per cent. by the melted-zinc process, and the amount of waste is practically *nil*. The fall of temperature after sheradising being gradual, the articles become well annealed, but the process does not affect the temper of large steel springs. Sheradised springs are much employed on the London tramcars, and are not affected by the wet.

Cellulose Nitration.—Dr. MacDonald then read a paper by Messrs. C. N. Hake and M. Bell on "The Action of Sulphuric and Nitric Acids in the Nitration of Cellulose." This is part of a research which has been in progress for some time into the mechanism of nitration. A very large amount of experimental work was involved, the proportions of the acids and the time being varied and the nitrogen and sulphate contents of the nitrated cellulose determined. Swedish filter-paper was employed.

Correspondence

TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

BUSINESS INFORMATION.—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

On a Fable of Aesop's.

The decision means equally that registered chemists and druggists may not lawfully describe the premises where they carry on business by the word "Pharmacy."—See *C. & D.*, p. 564.

Says Pill, "This tale's absurd, as I'm a sinner;
No dog would for a shadow drop his dinner!"
Softly, good Pill; what if thyself art he—
A "Pharmacist" without a "Pharmacy"?

C. C. B.

Certificates of Qualification.

Sir,—We are much indebted to you for having obtained counsel's opinion that the certificates given by the Boards of Examiners are conclusive evidence of legal qualification. Most of us were surprised that any other view should have gained credence, and we feel that the Council in this, as in many other matters, has not been wisely led. The Acts of Parliament and by-laws make it abundantly clear that it is the examiners who certify and confer the qualification. The register is merely a record of the facts, and the Registrar a mechanism for recording the facts. It is absurd to state (and in an official notice!) that a section in the new Act means what the Council will make it mean. Everybody knows that the Council has no such authority. And the statement that if a man's name is not on the register there will be no help for him is most misleading. The Registrar is bound to register the name of everyone who has fulfilled the legal requirements, and the fact of a person's name not being on the register because of an official having failed in his duty would not debar the person from carrying on the business of a chemist and druggist.

Yours, etc.,

Edinburgh, April 13. Delta. (12/2.)

"A Dream."

Sir,—I am a regular reader of the *C. & D.*, for it contains much that is both interesting and instructive to me, and although I cannot always agree with the ideas therein expressed, I am always willing to hear both sides of a question. I feel, however, that I cannot allow some of the ideas propounded in the letter of "The Sleeper Awakened" to pass without a slight protest. I do not wish to discuss the vexed question as to whether a doctor should be allowed to do his own dispensing—that always will be a bone of contention (I regret that your correspondent does not say whether the pharmacist of his dream was allowed to prescribe for patients)—but I think that if a chemist's assistant were to tell his customers that any doctor would allow a patient to die rather than use an expensive drug, some of his customers would be sufficiently intelligent to see that it would pay the doctor better to cure his patients, even if it cost him something, rather than allow them to die because he was either economical or avaricious. If a patient recovers from an illness it is quite possible that he may, at some future date, again become a patient of the same doctor who attended him before; but if he gets impatient at his want of progress towards recovery he is very likely to seek some other doctor, and the former "economical or

avaricious" one loses not only his patient but also his credit. With reference to the examination of sputa, urine, etc., I fail to understand in which direction the doctor would be biassed. Surely it is not unreasonable to suppose that he would be careful in his examination, not only for his patient's sake, but also for the sake of his reputation.

Yours, etc.,

Lewisham, April 10. Lawrence F. Hemmans, M.B.

Industrial Alcohol.

Sir,—The duty of 5*d.* per proof gallon on imported industrial alcohol may not be regarded as protection by the writer in the "Revenue Review," whom you quote in your interesting article on this subject of April 3; but what are its effects? A spirit trust has been formed; the price to manufacturers has been raised about 50 per cent., and the manufacturers must pay the increased price, whether they like it or not. Yet since the price of plain industrial spirit has been raised to 1s. 2*d.*, German spirit could have been bought in Hamburg at 10*d.*, and but for the import duty of 5*d.* would have been bought, and thus this heavy handicap to British manufacturers would have been prevented. Who is the better off for the state of things which this duty has brought about? The distillers of industrial alcohol without doubt; but who else? The great argument for these duties is that they will increase employment at home. The making of industrial alcohol dearer will, of course, somewhat reduce the demand, and therefore to that extent reduce employment in the distilling industry; but in addition to and far more important than this, every manufacturer using industrial alcohol is limited in his home market and badly handicapped in his export market by this advance; and here again employment is diminished, to say nothing of the effect on the profits of the manufacturers. The recent history of industrial alcohol is a fair example of import duties in work, and yet it must not be supposed that I am attacking the distillers. They have only done what most good business men having the same opportunity would have done. But from a national point of view the system is foolish. You may call this system protection or tariff reform, according to your political views, but the effect is the same, and if and when we get more of these duties we shall have more trusts and more trouble.

Yours faithfully,

C. P. Merriam.

The Anæstheties Bill.

Sir,—In this Bill it is understood that the interests of the present dental surgeons are safeguarded by the third clause, which reads:

> This Act shall not apply to any person who, having been registered under the Dentists Act, 1878, before the passing of the present Act, shall administer any drug or substance with the object of producing a state of unconsciousness during any dental operation, act, or procedure.

While this is satisfactory to present-day dentists, what will be the position of anyone who qualifies after the passing of the Act? It would mean that no future licentiate in dental surgery could administer nitrous-oxide gas. That this would be a great injustice no one can deny. Dentists have always been recognised as proper persons to administer nitrous oxide, and this right should not be taken from them. It is the general opinion that all qualified dental surgeons should be included under the Act. Dentists can lay no mean claim to being entitled to some consideration in this matter. Dr. Luke, in his book on anæsthetics, says: "In these days to extract teeth without the use of laughing gas is little short of barbarous; it is cruel to the patient, and, if the subject is a child, wantonly so." Nitrous oxide was first discovered by Horace Wells, a dentist, to be valuable in tooth extraction. The person who performed the first dental operation under nitrous oxide was another dentist named Riggs. A dentist, Mr. Evans, was the first to introduce it into this country. Mr. Hillesche, also a dentist, of Vienna, first succeeded in causing "non-asphyxial" gas anæsthesia. Mr. Robert Marston, dental surgeon, was the first to discover and demonstrate the possibility of always correctly foretelling the physiological action peculiar to each percentage of narcotic vapour, and also revolutionised the theory and practice of nitrous-oxide anæsthesia. The person who first discovered ether and demonstrated its value was a dentist—Mr. W. W. G. Morton. From these few examples it can be seen how great a part dentists have played in the world of anæsthetics. Apart from this no count can be taken of the number of dentists who have taught, in their own surgeries, medical anæsthetists all they know and of their readiness to cover any sign of inexperience on the medical man's part. In this connection it may be mentioned that dentists know more than many medical practitioners as regards nitrous-oxide anæsthesia, I myself having met several who had never seen a gas apparatus in their lives, and who at the chairside were of no more use than to hold the patient's hand, and were more often in the way than not. The training which a dental student receives in his curriculum is such as fully to qualify him for nitrous-oxide administration (not to mention gas and ether, gas and ethyl chloride), while the training received by a medical student in this respect is little short of a farce; yet the promoters of this Bill would like to give entire control of anæsthetics to such men (when they qualify), the very men under whose administration the majority of deaths have taken place. I trust, therefore, that all dentists will unite together to get the Bill amended in a way which will be equitable and just to their profession—present and future.

L. D. S. (12/8.)

[As we go to press the British Dental Association send us a circular in which our correspondent's suggestion for amendment is put forward. Ed. *C. & D.*]

The Poor-law Dispensing Service.

Sir,—Every Poor-law dispenser keeps a stock-account book similar to that of Mr. Coates', published in last week's issue, but the gist of your article was in Mr. Coates' own words that "it would be simply impossible to make notes of the quantity of ingredients of each prescription to get at the quantity used, etc." I may states that the Local Government Board inspector, specially deputed, on his last visit to the Metropolitan dispensaries so advised the Local Government Board. He visited me, I believe, in the first instance, and informed me that he regarded it as "most unsatisfactory" that the dispenser did not keep an account of everything dispensed or given out. After, presumably, visiting other dispensaries he returned to me several times, on one occasion somewhat confidentially asking me "How it could be done?" I pointed out that goods were bought by avoidupois weight and dispensed by apothecaries, and the impossibility of one dispenser doing it, even if he happened to be a walking ready reckoner. I then inquired how it was to be checked? Would the Guardians have a staff of pharmacists at their offices and also the Local Government Board auditor? This appeared a poser, and a few days afterwards the inspector returned and requested me to listen to, and if necessary correct, the report he was sending to the Local Government Board. I only interrupted to suggest that dispensers should be better paid, but he appeared to rather resent the suggestion, or rather the interruption, as the salary scale has been since raised.

Southwark Union North. J. F. Dunstan.

Sir,—The letter in your last issue by Mr. F. G. Coates, of Nottingham, is interesting, and the form carries out as far as practicable the requirements of the Metropolitan Dispensaries Order, but it simply shows the total of the drugs, etc., consumed, and gives no indication of the manner in which the drugs have been issued and used, and that, I understand, is a requirement which the Poor-law Commissioners propose should be enforced. Poor-law dispensers must remember that their department is the only one connected with the workhouse where a rigid account of the issue of stock is not required to be kept, the workhouse master having to post up week by week every ounce of supplies, etc., which are issued from the stores. With regard to the main question of stocktaking raised by Mr. Coates, he must have the same difficulties which meet the retail pharmacist in trying to take stock—a matter of guesswork to a certain extent. It would be interesting to know how he deals with the contents of his poison cupboard, and with the more expensive alkaloids, where only drachms are bought and only grains used. And how does he arrive at his stock of, say, ol. gaultherii, used in varying quantities up to 20 minims?

Poor-law Dispenser. (12/90.)

Bismuth Blackening the Tongue.

Sir,—Mr. Duncan's note (*C. & D.*, April 3, p. 537) *re* the blackening of the tongue by bismuth mixtures recalls an experience of mine, very many years ago, in the late Mr. G. F. Schacht's establishment at Clifton. A lady had been taking a mixture containing his liquor bismuthi, and her tongue became very black. A careful investigation failed to account for the cause until a certain mineral-water aperient, which she also occasionally took, had been examined, when it was found to contain evidence of soluble sulphides. Hence the alarm of the patient and the cause of the coloration, bismuth salts being very susceptible to hydrogen sulphide and its congeners.

Yours faithfully,
Abel Scholar.

Does Witch-hazel Make the Hair Grow?

Sir,—A lady customer asked to-day for a skin cream, but would not take a witch-hazel preparation on any terms. She said another lady had been using it, and it produced hairs on the face to such an extent that she had to consult the doctor about getting them removed. Have any of your readers had a similar report? Yours truly,
Witch-hazel. (11/32.)

The Counter Schedule.

For the purpose of this regulation a part of a counter which is shown to the satisfaction of the local authority to be adequately separated from the rest of the counter shall be treated as a separate counter.—*Regulations under Section 2, Clause 13.*

Part I.

When Biggs the grocer ope'd his store,
He took great pride in eggs and bacon;
His butter, basking by the door,
For margarine was ne'er mistaken;
His cheese was temptingly displayed,
His eggs betrayed no alien odour;
In short, he did a grocer's trade,
And left bicarbonate of soda,
The festive seidlitz, dubious salts,
And oft-mistaken cream of tartar
To those who (whatsoe'er their faults)
Were qualified in drugs to barter.
The sausage-monger cried his wares
(In composition oft mysterious);
The ironmonger's sad-iron cares
Were qualified by no mysterious,
Insistent, and absorbent pangs
To deal in things insecticidal;
The seedsman heard no warlike clangs,
He sold good seeds and ne'er was idle;
The Worcester man nor knows, nor heeds,
Nor sighs for plasters (corn or bunion)—
The sheep-dip trade, the death of weeds
Were naught beside the latest onion.

In short, each tradesman plied his trade,
And counters then were counters made.

Part II.

But things have changed with changing years,
And now a Poison Oligarchy
Has been set up—'mid ringing cheers—
Among the seedsman-grocer party;
Now flour-bin flirts with arsenic-keg,
And sugar sports with insect-killer,
Bold weedicides say, "Room I beg,"
To treacle-jar and syrup-filler.
The cultured seedsman spreads his net
O'er carrot, turnip, arsenic-dipping,
And nicotine is bound to whet
Th' apprentice appetite for sipping.
No better thing than sheep-dip cake
To stay the eager infant's hunger,
You'll find it next a garden rake
Behind the learnèd ironmonger.
No need on chemists now to call:
The public all are well protected:
The regulations may appal,
But genius hides there—unsuspected.
The counter is the saving grace
(The definition's left to Bumble),
For though it may be in one place
(Our want of prescience makes us humble),
Yet it is not, for part is here,
The other part is separate surely;
So everything will soon be clear:
Such wisdom we accept demurely.

Th' importance you have underrated
Of separate counters separated.

Another Sign of the Time

Sir,—Having discussed with several members of the drug-trade the advisability of establishing a benefit society for chemists and druggists and their assistants, and all being agreed that such a society would be of inestimable value to the trade generally, and the married members in particular, I venture to put the matter before your readers, in the hope of the formation of such a society. The benefits I would propose being 1*l.* per week for the first six months and 5*s.* per week for the remaining time that a member be out of employment; the annual subscription being 2*l.* 10*s.*, members being entitled to benefit after the first annual payment; later, an orphanage to be established, to which the widow of a deceased member could send not more than two children, to receive a first-class education, board, and clothing. This would be a great relief to her, and would not in any way savour of charity. Those chemists who possess shops of their own, and are therefore not troubled by the thought of unemployment, will no doubt be in sympathy with the latter movement. That such a scheme is workable is proved by the successful existence of a society conducted on exactly similar lines by warehousemen and clerks. With a view to taking the census of opinion I should feel obliged if any pharmacist or assistant who would be willing to join would kindly notify me. Yours faithfully,
Ernest Hoben.

308 Upper Brook Street, Manchester.

How to Treat a Punning Maniac.

A customer came in recently. "Has ever a bile bean seen to make a seidlitz powder?" he said. "No," I replied sharply, "nor yet a lb. weight till it saw a blue bottle fly." "Well, have you ever seen a pint cork a bottle, or has your anti-Septic ever given orders such as 'Trochisi form a lin(e)'?" "Yes," said I, "and I have seen a horn comb a camel's hairbrush because it scent perfume instead of smelling (Epsom) salts." "'M. Does your sealing wax red when it sees a tab let a tooth paste 'B. W. & Co.' on a dressing comb?" To which I responded, "Did your bees wax angry when they h'ard Paraffin was to lead Acy Tait (acetate) on a glass ro(a)d? Or did you ever see a hair oil, a skin cream, a shaving brush, a date stamp, a pill box, or a pharmacist who could take a drachm without a scruple, or a ———." But my friend was gone.

Brechin. J. Small.

Legal Queries.

Before submitting questions for reply in this section please refer to the "C. & D. Diary, 1909" for the following subjects: Income-tax, p. 220; Pharmacy Law and Poisons, p. 215, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

Inquirer (8/52).—(1) No. (2) Mr. Danckwerts' opinion in our issue of April 10 anticipates this question.

Oxygen (12/50).—You do not tell us what the composition of your article is, and without that information we cannot advise you.

Veritas (269/19).—The mixture is not a scheduled poison, although it contains chloroform. Less than 20 per cent. of the latter is outside the Schedule.

A. L. (12/20).—See *C. & D.*, April 3, p. 533. Nothing more definite than this can be said at present, but you may reasonably treat the mixture as being in Part 2.

A. F. (12/6).—We presume that your statement is a narrative of facts. If so, the most important fact is omitted—namely, Was the bottle or package in good condition when B handed it over to A?

J. W. (12/16).—It is only the articles mentioned in Section 5 of the new Act that require the word "poisonous" on the labels (see *C. & D.* Poisons Card, under "Mineral acids and oxalates"). The word "poison" is not equivalent to the word "poisonous," which should be added to existing labels.

Poison (10/61).—Until the contrary has been proved you may continue the practice of the 1868 Act under Section 5 of the 1908 Act—*i.e.*, to use the name of the article, and not necessarily the name of the poison. Thus "Straw-hat Cleaner," which is potassium binoxalate, may continue to be labelled "Straw-hat Cleaner, Poisonous," and name and address of the seller.

Qualified Chemist (9/20).—We agree with you, but the matter is really one of manners—bad in this case.

A Subscriber (272/4) has received from the British Dental Association a reprint of an editorial article from its journal of December 1, 1908, commenting upon the "Painless Extraction" case, and along with it the following "warning" dated December 1908, but redated "April 5, 1909":

WARNING.

The British Dental Association desires to call the attention of persons who may be acting in contravention of the Dentists Act, 1878, to the recent decision of the High Court in the case of Brown *v.* Barnes. The defendant in that case was summoned before a London police magistrate for using an addition or description implying that he was specially qualified to practise dentistry, contrary to the statute. The words used were as follows:

"H. J. Barnes. Finest Artificial Teeth at moderate prices. Extractions; advice free. Hours 10—7. English and American Teeth. Advice Free. Painless extractions."

He was convicted and fined 20*s.*, with 3*l.* 3*s.* costs. Whereupon he appealed to the High Court, alleging that such words did not imply a special qualification to practise dentistry, as decided by the Magistrate. The Lord Chief Justice and the two other Judges of the High Court, who heard the appeal, were unanimous in upholding the Magistrate's decision, and the effect of their judgment is wide enough to cover not only the actual words used in this case, but any other words from which it may be reasonably inferred that the person using them is skilled in dental operations.

The British Dental Association, before taking proceedings against the numerous other persons who are advertising themselves under descriptions which infringe the spirit of this judgment, have thought it right to issue the present warning, in order that no one who may afterwards be prosecuted will be justified in pleading ignorance of the law as now laid down by the High Court.

19 Hanover Square, London, W.

The redating of this warning we take to imply a special notification to our subscriber, who advertises "Artificial teeth a speciality" and "Teeth painlessly extracted." The latter is probably what he is meant to stop (as he is not a registered dentist), and it would be wise to stop the first-quoted advertisement. Our correspondent also uses a circular, but we can find nothing in it which infringes Section 3 of the Dentists Act.

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

G. T. (Gibraltar) (252/51).—One-solution Hair-dyes.—The following recipes are additional to those given in "Pharmaceutical Formulas":

Blond.

Copper chloride ($CuCl_2+2H_2O$)	
Pyrogallol	aa. gr. xlv.
Water	℥x.

Brown.

Copper chloride	gr. xlv.
Iron perchloride	gr. xij.
Pyrogallol	gr. lxv.
Water	℥x.

Black.

Copper chloride	gr. xxv.
Iron perchloride	
Pyrogallol	aa. gr. lxxxv.
Water	℥x.

Hibern (256/21).—Great caution is requisite in treating Scour in Calves and Diarrhœa in Cattle with alum and sulphuric acid. The following, however, is a formula for a suitable mixture:

Cort. quercus	℥iss.
Acid. sulph. dil.	℥iss.
Aluminis	℥iv.
Aquæ	q.s.

Boil the oak bark in 2 pints of water down to 1 pint. Strain and while hot dissolve the alum in the decoction. Add the dilute sulphuric acid and make up to 24 oz. with water.

Dose for calves: From a tablespoonful to a wineglassful in a cup of warm gruel three times daily. A tablespoonful is sufficient for a calf a week to ten days old, and a wineglassful for one from three to six months old.

Poison (10/61).—Any acid salt of an alkali is good for cleaning hats—*e.g.*, acid sulphate of soda, cream of tartar, and acid phosphate of ammonia.

W. G. (9/70).—Fehling's Test.—It is not possible to say precisely what is the cause of your difficulty, or to explain the reason of the reaction, without having the sample to examine, and possibly not even then. It is the experience of all chemists who have many samples of urine to examine to come across abnormal reactions with Fehling's solution. In fact, there are so many normal and abnormal, physiological and pathological urinary ingredients which react with Fehling's solution and cause reduction of the copper salt, that one should always be mindful of the possibility of their presence. Generally speaking the normal constituents of urine which have a reducing action upon Fehling's solution are present in such small quantity as not to affect the test, but it is possible that in a sample of sp. gr. 1.030 uric acid or creatinin or hippuric acid or one of half-a-dozen other constituents or a combination of them may have existed in sufficient quantity to cause some reduction. It is much more likely, however, that the reduction was due to the presence of some drug or the excretory product of some drug. The ingestion of chloral, chloroform, urotropine, salicylates, phenates, and various other salts will cause precipitation of copper oxide. Some of these interfering substances are thrown out of solution by an alkali, and others are altered thereby; hence many authorities advocate the preliminary treatment of all samples with caustic soda or potash solution (not ammonia), and filtration previous to applying Fehling's test for diabetic sugar, as a precaution against error. Your sample was high coloured, so possibly a salicylate or a phenol preparation was being administered. In the multiplicity of possible factors in the reaction a definite answer cannot be given to the query. It would be wise, in the event of such a difficulty arising again, to submit a sample with the question, first taking the precaution to add a few drops per oz. of formalin solution, so that it may arrive undecomposed. Our book on "Urine Analysis" points out some of the fallacies of Fehling's test.

Westminster Wisdom.

A Record of Parliamentary Progress.

The London Ambulance Service.

There is no immediate intention on the part of the Government of legislating on the lines of the recent report of the Departmental Committee on the London ambulance service. Mr. Gladstone stated on April 5 that the valuable report of the Committee had been received, but owing to pressure of work he had been unable to give it detailed consideration. He would see whether he could not deal at once by administrative action with certain of the recommendations.

A Good Bargain.

In the House of Commons last week Mr. H. C. Lea put a question to the Under-Secretary for the Colonies which brought to light a splendid bargain in phosphates. He asked the Under-Secretary to give particulars about the lease of guano-phosphate property obtained by the Pacific Islands Co. on Ocean Island, and Colonel Seely replied that the company agreed to pay the natives 50*l.* per annum for the exclusive right to raise and ship all the rock and alluvial phosphates on the island. The tonnage of phosphates exported was as follows: 1900, 1,545 tons; 1901, 13,479 tons; 1902, 13,781 tons; 1903, 54,722 tons; 1904, 76,437 tons; 1905, 108,615 tons; 1906, 140,882 tons; 1907, 179,101 tons; and 1908, 210,155 tons.

Weights and Measures.

In the House of Commons last week, Sir George Scott Robertson asked the President of the Board of Trade if he had any official knowledge that Regulation 9 of the Weights and Measures Regulations, 1907, had in some cases not been complied with; if he could give the reasons for such non-compliance; and if he would call for a report on the working of Regulation 9 from all the authorities concerned and lay it upon the table of the House. Mr. H. J. Tennant replied that he was aware that in some districts difficulty was experienced by local authorities in complying with the regulation that the premises of every trader should be visited by an inspector at least once annually. In some districts the Board had sanctioned an extension of this period to two years with respect to the whole or part of any district or to certain trades. The Board had no reason to believe that there were many cases in which the regulation was not complied with, though there might be a few country districts where full compliance was difficult and some relaxation of the regulation might yet be found necessary. He doubted whether a return would serve any useful purpose at present.

PEARS

SOAPMAKERS

By Royal Warrants to
their Majesties

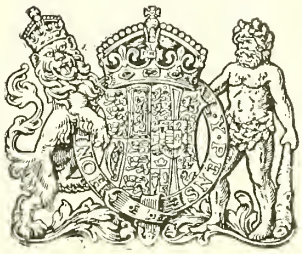
The

TO H.M. THE KING.

KING

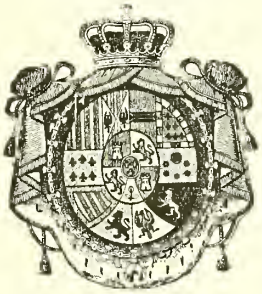
and the

QUEEN



TO H.M. THE QUEEN.

And also



to their Majesties

The

KING and QUEEN of SPAIN.

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HOLDERS OF THE

ONLY GRAND PRIX and the ONLY GOLD MEDAL

EVER AWARDED SOLELY

For TOILET SOAP.

Brunner, Mond & Co.'s

Alkali Products.

Crescent Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

Bicarbonate of Soda.

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees.

A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals.

NOTE.—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of FOWLER *v.* CRIPPS, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

Caustic Soda.

Bleaching Powder.

Manufactured from pure Carbonate, and supplied of all degrees of strength.

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

GOLD MEDAL, PARIS, 1900.

J. F. MACFARLAN & CO.

ESTABLISHED 1780

BEG TO CALL ATTENTION TO THEIR

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MORPHIA
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SALICIN
AND OTHER FINE CHEMICALS

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DRESSINGS and MATERIALS

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Telegrams: "MORPHIA," EDINBURGH OR LONDON.

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LENNON LIMITED

Established in
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CAPE COLONY
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Wholesale Druggists,
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Dealers in
Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery, and Assay and Mining Requisites.

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CAPE COLONY, NATAL, RHODESIA, TRANSVAAL, and ORANGE RIVER COLONY.

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Unrivalled position for the introduction and handling of Specialities.

THE SERUM TREATMENT OF
HAY FEVER

Autumnal Catarrh, Rose Fever, and Similar Complaints.

POLLANTIN

(Specific Antidote for Pollen Toxine).
Patented in Germany, England, the United States, &c.
Prepared under supervision of the Discoverer,
Prof. DR. DUNBAR,
BY
SCHIMMEL & CO.
MILTITZ, near LEIPZIG
(GERMANY).

Sole Agents for the U.K. and the British Colonies
(Canada and Australasia excepted):
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Wholesale Druggists,
40 Aldersgate Street, LONDON, E.C.

ICHTHYOL

We warn buyers that fraudulent and ineffective articles purporting to be Ichthyol, or "equal to Ichthyol," are offered by unscrupulous dealers.

Genuine Ichthyol, as it has been studied and is wanted by the Medical Profession and supplied all the time to the Trade, is delivered by us in tins and bottles under our special label with our name. The use of our registered trade mark "Ichthyol" for any other product means deception and dishonesty, and will entail their penalties.

Physicians, Chemists, and Druggists are requested to report to us all cases where imitation products are suspected.

ICHTHYOL COMPANY,
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PROFITABLE LINES

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SOUTH AFRICAN CHEMISTS.

A full range of .

VETERINARY INSTRUMENTS AND APPLIANCES

is stocked by C. E. GARDNER & CO., LTD., at EAST LONDON.

Liberal Discounts to the Trade.

Illustrated Price List on application, and a limited number for distribution if desired.

C. E. GARDNER & CO., LTD.

Port Elizabeth, East London, Bloemfontein, and King William's Town.

VITTORIA

Liquorice Juice.

The Finest and Purest Obtainable.

8½d. per lb. **75/-** per cwt. In 2-oz. & 4-oz. sticks.

Specialities:

ESSENTIAL OILS.

HIGH CLASS POWDERS

Guaranteed Pure from Selected Drugs.

Importers of all Crude Drugs.

Gum, Roots, Barks, Wax, Honey, Rhubarb, Colocynth, Cascara, Tragacanth, etc.

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Tower Hill, LONDON, E.C.

POINTET & GIRARD

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PARIS 1900 : Gold Medal. MILAN 1906 : Diploma of Honour. LONDON 1908 : "GRAND PRIX."

MANUFACTURERS OF

Quinine Salts, Glycerophosphates,

BIPHOSPHATES, LACTOPHOSPHATES CITRATES, GLYCYRRHIZINE, PROTEINATE OF SILVER, QUININE WITHOUT BITTER TASTE FOR EXPORT, ALCALOIDES, &c.

SPÉCIFIQUE BÉJEAN, THYROIDINE.

Agents: F. J. CARMICHAEL & CO., 14 Water Lane, London, E.C.

NOTICE.

MILK EMULSION.

THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specifically that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing our legal rights.

"Milk Emulsion" is sold in Bottles only. Wholesale, by—

F. H. FAULDING & CO.

54 Great Tower Street, London, E.C.
54 King William Street, Adelaide, South Australia.
341-3 Murray Street, Perth, Western Australia.
16 O'Connell Street, Sydney, New South Wales.

HUBBUCK'S PURE OXIDE OF ZINC.

*Sold by the following Wholesale Druggists in Boxes of **7** lbs. and **14** lbs., stamped by the Manufacturers; also in **1**-lb. Boxes and **1**-lb. Glass Bottles :—*

Allen & Hanbury's (Lim.).
Baiss Bros. & Stevenson (Lim.)
Barron, Harveys & Co.
Bell, Jno., & Co.
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Boot's Pure Drug Co.
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Clay, Dod & Co. [Co.
Cockburn & Co. (Lim).
Corbyn, Stacey & Co.
Dakin Brothers.
Davey Hill & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.).
Ferris & Co.
Gale & Co.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan.
Harkness, Beaumont & Co.
Hatrick, W. & R., & Co.
Hearon, Squire & Francis.
Hirst, Brooke & Hirst.
Hodgkinson, Prestons & King.
Hodgkinsons, Clarke & Ward.
Horner & Sons.
Huskisson, H. O., & Co.
Inman's Stores (of Edinboro').
Ismay, John, & Sons.
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Oldfield, Pattinson & Co.
Pinkerton, Gibson & Co.
Raimes, Clark & Co.
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Sumner, R. & Co.
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Woolley, Jas., Sons & Co. (Lim.).
Wright, Layman & Umney (Lim.).
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Finlay & Branswig, New Orleans.
Langley & Michaels, San Francisco.
Lehn & Fink, New York.
McKesson & Robbins, New York.
Muth Brothers & Co., Baltimore.
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
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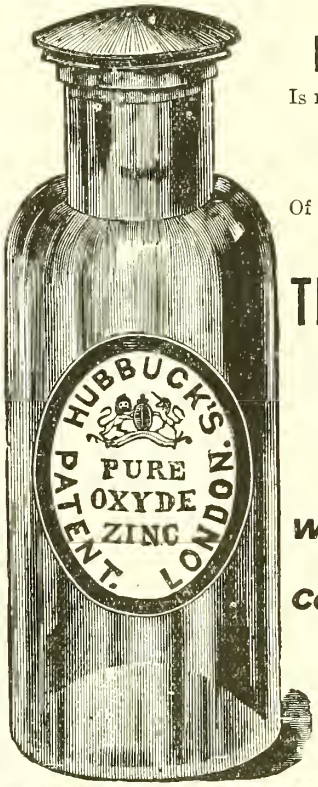

HUBBUCK'S PURE OXIDE

Is made by Sublimation, and is Warranted to contain upwards of

99 PER CENT.

Of Pure Oxide; in fact the impurities are not traceable.

THOS. HUBBUCK & SON, LTD.

(Established 1765).

24 LIME STREET, LONDON, E.C.

Manufacturers of—

White Lead, White Zinc, Paints, Oils, Colours, Varnishes, &c.

Australian Office—
34 QUEEN STREET, MELBOURNE.

The Manufacturers supply their Pure Oxide Wholesale only, in quantities of not less than 2 cwt.

ROBERT BLACKIE

SHEN WORKS, Tower Bridge Rd.

SPECIALIST FOR

SPUN OINTMENTS

(Reg. Trade Mark.)

UNEQUALLED.

MAG. CIT. ... ... No. 1, **56**/- cwt.; No. 2, **64**/- cwt.; No. 3, **72**/- cwt.

SALINE ... ... No. 1, **46**/- cwt.; No. 2, **60**/- cwt.; No. 3, **10**d. lb.

Bulk and Packed.

LIME CREAMS in all sizes

With various labels and varied finish. A homogeneous Pure White Cream, which keeps indefinitely and will not go thick or separate.

PRICES.

3 oz.	4 oz.	6 oz.	8 oz.	White French Limes.
21/- to **24**/-	**24**/- to **30**/-	**30**/- to **36**/-	**40**/- to **48**/-	per gross.

"ROCHE" BRAND

We make a Speciality of Manufacturing ALKALOIDS of STANDARD QUALITY

Such as:

COCAINE "ROCHE." ABSOLUTELY RELIABLE PREPARATION, ANSWERING ALL REQUIREMENTS OF THE P.B.

STRYCHNINE "ROCHE," AND ALL SALTS.

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ARECOLINE.	CODEINE.	PHYSOSTIGMINE.
ATROPINE.	COLCHICINE.	PILOCARPINE.
CAFFEINE.	HOMATROPINE.	SPARTEINE.

GUAIACOL CARBONATE EQUAL TO THE BEST MAKES IN THE MARKET.

Write for Special Quotations for Wholesale quantities to—

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Tel. No.: 7270 CENTRAL.] *7 & 8 IDOL LANE, E.C.* [Tel. Address: "HOFROCHE."

"ROCHE" BRAND

25% Protected Profit

Prices of Iron-Ox Tablets to the Trade.

One Shilling size Under 6 dozen **10/-** per dozen net. Cash with order.
6 dozen **9/9** per doz. net in 30 days, or **9/6** cash in 10 days.
12 ,, **9/3** do. do. or **9/-** do. do.

Four Shilling size Under 1½ dozen **40/-** per dozen net. Cash with order.
1½ dozen **39/-** per doz. net in 30 days, or **38/-** cash in 10 days.
3 ,, **37/-** do. do. or **36/-** do. do.

Mixed Orders The above terms for 6 dozen **1/-** size, or 1½ dozen **4/-** size will be given on mixed orders value **£3.** And our very best terms on mixed orders value **£6.**

Retail Price P.A.T.A. PROTECTED **1/-** and **4/-** face value. Carriage paid on all goods.

Attractive Show Cards, Window Slips, &c., Free on Application.

IRON-OX

TABLETS.

To be obtained from all the principal Wholesale Houses or direct from THE IRON-OX REMEDY CO., Ltd., 20 Cockspur Street, Trafalgar Square, London, S.W.

THE GENUINE
HOFF'S MALT
BEARS THE "HOMAX" LABEL
LONDON OFFICE: 29 NEW BRIDGE STREET, E.C.

Woods' Great Peppermint Cure
For COUGHS, COLDS, INFLUENZA and all CHEST AFFECTIONS.
Retail Price 1/1½ *and* 2/9.

Great success attended the introduction of this Proprietary in the North of England last Winter. The Advertising arrangements of this season are based on lines of an exhaustive character and considerable magnitude, embodying a Window Display of most original design, Verse Competitions, Posting and Newspaper Advertising, besides other novelties.

Fullest Particulars will be supplied by the Sole Agents for Great Britain—
Messrs. ROCKE, TOMPSITT & CO., 4 Redcross Street, London, E.C.

GOOD NEWS FOR ALL.
ZOTOS
The Infallible Remedy against
SEA-SICKNESS,
TRAIN-SICKNESS, &c.,
has proved itself
A BOON TO TRAVELLERS AND A SOURCE OF PROFIT TO THE TRADE.
ZOTOS is being extensively advertised, and commands a ready sale.
ZOTOS is certified to contain no injurious drug by Mr. Ernest J. Parry, B.Sc., F.I.C., F.C.S.; has no bad after-effects; is absolutely harmless.
ZOTOS is on the P.A.T.A. List.
SPECIAL BONUS TERMS FOR ATTRACTIVE WINDOW DISPLAYS
Sole Proprietors:
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Telephone: 1348 City. Telegrams: "Zotosetto."

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SULPHUR BITTERS
Go like wild fire and are sold by all the principal pharmacies in the **United States, Canada, Europe, Australia, India, China, Japan, Egypt, North, South, East and West Africa, Asia, Cuba, East and West Indies, Phillipines and Central America.** Sulphur Bitters are especially adapted for all diseases peculiar to hot climates.
For Sale by Jobbers and Druggists in all Countries, and
BARCLAY & SONS, LTD.,
95 FARRINGDON STREET, LONDON, E.C.
Prepared by
A. P. Ordway & Co., Manufacturing Chemists, 341-345, West 37th Street, NEW YORK.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Heliotropine, 1 lb. @ 7/6 lb.
Hellebore White Powder (Foreign Ground), 1 cwt. @ 28/6 cwt.
Hexamethylentetramine, 7 lbs. @ 2/2 lb.; 1lb. @ 2/4 lb.
Honey, White Set, 28 lbs. @ lb.
Hydrargyrum P.B., 75 lb. bottle @ 167/-; 10 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb; Amon., 28 lbs. @ 2/11 lb.; c. Creta, 28 lbs. @ 1/4 lb.; Iodid. Rub., 28 lbs. @ 8/7 lb.; Oxid. Rub., 28 lbs. @ 2/10 lb.; Perchlor. 28 lbs. @ 2/3½ lb.; Subchlor., 28 lbs. @ 2/7½ lb.; Sulpb. c. Sulpb., 28 lbs. @ 2/5 lb. 7-lb. quantities 1d. lb. extra, 3 lb. quantities 2d. lb. extra, 1 lb. quantities 3d. lb. extra.
Hydrokinone, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.
Icbtbyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/-lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/- lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/2 lb.
* „ Buchu Conc. 1 to 7, 6 lbs. @ 1/- lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 10d. lb.
* „ Caryoph. Conc., 1 to 7, 6 lbs. @ 10d. lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/6 lb.
* „ Gentianæ Co., 1 to 7, 6 lbs. @ 10*d.* lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 8d. lb.
* „ Rhei Conc., 1 to 7, 6 lbs. @ 1/4 lb.
* „ Rosæ Acid. Conc. 1 to 7, 6 lbs. @ 1/9 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 1/11 lb.
* „ Valerian Conc., 1 to 7., 6 lbs. @ 1/2 lb.
Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/5½ lb. Foreign grd., 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.
Iodoform Pulv. B.P., 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/7 lb. [lb.
Iodum. resub. B.P., 7 lb. @ 10/6 lb.; 1 lb. @ 11/3
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb. Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
Lapis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.
Licorice Juice, 4 and 2 oz. Sticks, 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7*d.* lb.; 7 lbs. @ 7½*d.* lb.
*Lin. Aconiti Metb., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
*Lin. Bellad. Metb., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb. [@ 1½d. lb.
Lin. Camph. P.B., 40 lbs. @ 11*d.* lb.; 9 lbs.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.
Linteum, 1 lb. @ 1/4 lb.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 10½*d.* lb.; 1 lb. @ 1/0½ lb.
* „ Ammon. Aromat., 6 lbs. @ 8d. lb.
* „ Antim. Chlor. Pnre, 8 lbs. @ 6½*d.* lb.
* „ Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7*d.* lb.
* „ Bismuth. P.B., 6 lbs. @ 10½*d.* lb.
* „ Copaiba Bucha et Cubeb, 5 lbs. @ 2/4 lb.; 1 lb. @ 2/8 lb.
* „ Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.
* „ Ferri Dialysatus, 6 lbs. @ 7*d.* lb.
* „ Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.
* „ Ferri Perchlor. Fort. P.B., 7 lbs. @ 4*d.* lb.
* „ Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6.
* „ Hypophosph. Co. p.s. B.P.C., 1 lb. @ 3/4 lb.
* „ Iodi Fort. B.P., 5 lbs. @ 3/9 lb.
* „ Morphinæ Acet. or Hydrochlor. P.B., 6 lbs. @ 2/4 lb.
* „ Opii Sed., 5 lbs. @ 3/6 lb.
* „ Plumbi Subacet., B.P., 7 lbs. @ 2½d. lb.
* „ Pruni Virg. p.s. 1-7, 5 lbs. @ 2/- lb.
* „ Rhœados pro syr., 1 to 7, 5 lbs. @ 1/9 lb.
* „ Rhei p.s. 1-7, 6 lbs. @ 2/- lb.
* „ Santali Co., 1 lb. @ 3/4 lb.
* „ Sennæ Dulc., 6 lbs. @ 1/4 lb.
* „ Sennæ pro Syr. 1-7, 6 lbs. @ 1/11 lb.
* „ Strychninæ, Hyd. B.P., 6 lbs. @ 1/5 lb.
* „ Tolut. pro. Syr. 1-7, 6 lbs. @ 1/3 lb.
* „ Trinitrini B.P. 1 lb. @ 5/4 lb.
Lithii Carb., P.B., 28 lbs. @ 2/4 lb.
„ Citras, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/9 lb.
Lycopodium, 22 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.
Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/-lb.
Mag. Carb. Pond., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb. [4d. lb.
Mag. Carb. Levis, 70 lbs. @ 3*d.* lb.; 7 lbs. @
Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 9½d. lb.
Mag. Sulpb., fine druggists', B.P., 1 cwt. @ 6/- cwt.
Menthol. dry white cryst., 60 lbs. @ 7/2 lb.; 5 lbs. @ 7/6 lb. [@ 6d. lb.
*Mist. Sennæ Comp. B.P., 20 lbs. @ 5d. lb.; 6 lbs.
Morphinæ, Acet. Hydroclor. or Sulph., Pulv., B.P., 16 oz. @ 6/6 oz.; 8 oz. @ 6/8 oz.; 1 oz. @ 7/- oz.; Pur. Præcip., Bimeconate or Tart., 1 oz. @ 8/11 oz.
Morphine Diacetyl., 1 oz. @ 10/9 oz.; Hydrochlor., 6d. oz. less.
Myrrh, Gum, English Ground, 7 lbs. @ 1/4 lb.
Napbtbaline Candles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.
Nux Areca, 1 cwt. @ 28/- cwt.; powder, English ground, @ 66/- cwt.
Ol. Amygdal. Ang. B.P., 9 lbs. @ 1/9 lb.
Ol. Amygdal. Essent. Artificial, free from Chlorine, 5 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.
Ol. Anetbi Ang. B.P., 1 lb. @ 13/- lb.
Ol. Anisi, E.I., 66 lbs. @ 4/6 lb.; 16⅔ lbs. @ 4/10 lb.; 1 lb. @ 5/6 lb.
Ol. Aurant, 12 lbs. @ 7/- lb.; 1 lb. @ 8/- lb.; not guaranteed absolntely pure.
Oil of Bays, genuine W.I., 9 lbs. @ 9/6 lb.
Ol. Cajuput, B.P., 16 oz. Bots., @ 2/9 lb.
Ol. Camphor. Essent., White, 80 lbs. @ 40/- cwt; 40 lbs. @ 44/- cwt.; brown, 80 lbs. @ 85/- cwt.; 40 lbs. @ 90/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 3/3 lb.; 4½ lbs. @ 3/5 lb.
Ol. Cassiæ, 16⅔ lbs. @ 4/11 lb.; 6 lbs. @ 5/1 lb.
Ol. Cinnam. B.P., 1 lb. @ 30/- lb.; 1 oz. @ 2/6 oz.
Ol. Citronelle, 40 lbs. @ 1/4 lb.
Ol. Cocoa Nucis, finest Wbite, 80 lbs. @ 45/- cwt.; 40 lbs. @ 5½d. lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 1/11 oz.; 1 oz. @ 2/1 oz.; Turc., 1 lb. @ 10/- lb.; 4 oz. @ 12/6 lb.
Ol. Gynocardia, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 4/- lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lb. @ 1/5 lb. [9/3 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 8/6 lb.; 1 lb. @
Ol. Menth. Pip. English 5 lbs. @ 30/- lb.; 1 lb. @ 31/- lb.; Hotchkiss original bots. 21 oz. each @ 9/7 lb.; 6 bots. @ 9/4 lb.; 18 bots. @ 8/11 lb.; American, 20 lbs. @ 6/6 lb. 4½ lb. @ 7/- lb.; 1 lb. @ 7/4 lb.; Japanese 60 lbs. @ 4/8 lb.; 5 lbs. @ 5/- lb.
Ol. Morrhuæ Nov. finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gal. tins @ 3/6 per gal.
Ol. Myrbane, 1 cwt @ 48/- cwt.; 9 lbs. @ 6½d. lb.
Ol. Myristicæ, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
Ol. Nucis, 2 gall. tins @ 4/6 gall.
Ol. Olivæ, P.B., good yellow, 2 galls. @ 5 9 gall.
Ol. Orange Sweet, not guaranteed absolutely pure; 1 lb. @ 10/6 lb.
Ol. Origani Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.
Ol. Peach Kernel (so-called) 1 owt. @ 10d. lb.; 56 lbs. @ 10½d. lb.; 9 lb. @ 1/- lb.
Ol. Ricini Alb. Opt. Medicinal, 176 lb. @ 33/6 cwt.; 88 lb. @ 36/6 cwt.; 44 lb. @ 38/- owt; 9 lbs. @ 5½*d.* lb.
Ol. Rosmarini Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
Ol. Santali Flav. Ang. B.P., 5 lbs. @ 10/9 lb.; 1 lb. @ 11/3 lb.
Ol. Sassafras, 28 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
„ Sinapis Express., 1 gall. tins @ 4/6 each.
„ Staphisagriæ, Ang., 9 lbs. @ 4/6 lb.; 1 lb. @ 5/3 lb.
„ Succin. Rect., 28 lbs. @ 1/1 lb.; 9 lbs. @ 1/2 lb.; 4½ lbs. @ 1/3 lb.
„ Theobromæ B.P., 8-oz. tabs, 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/6½ lb.
„ Wintergreen Artificial, 56 lbs. @ 1/4 lb.; 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.
Opium Turc. B.P., 3 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.; powder, 6d. lb. extra.
Orris, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8*d.* lb.
Oss. Sepiæ Pulv. 1 cwt. @ 6*d.* lb.; 7 lb. @ 7½*d.* lb
Otto Rosæ, finest, 1 oz. @ 20/6 oz.; No. 2, 1 oz. @ 15/6 oz.
Oxymel Scillæ, B.P., 5 cwt. @ 31/- cwt.; 1 cwt. @ 34/- cwt.; * 7 lbs. @ 6d. lb.
Papain 1-80, 1 lb. @ 16/6 lb.; 1 oz. @ 1/5 oz.
Paraffinum Durum B.P. 2 cwt. @ 3⅞d. lb.; 1 cwt. @ 4d. lb.; 56 lbs. @ 4½d. lb.; 7 lbs. @ 5d. lb. Molle Flav. B.P., 3½ cwt. @ 16/6 cwt.; 28 lbs. @ 3½d. lb.; Alb. B.P. 3½ cwt. @ 55/- cwt.; 28 lbs. @ 7d. lb.
Paraldehyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Pepsin, P.B., 10 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.
Phenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. at 3/- lb.
Phenazone, P.B., 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
Phenolphtbalein, 7 lbs. @ 9/3; 1 lb. @ 10/- lb.
Pix. Burgund. Druggists' 1¼ cwt. @ 20/- cwt.; 7 lbs. @ 3½*d.* lb.
Plumbi Acetas, Druggists', 1 cwt. @ 35/6 cwt.; 7 lbs. @ 4½*d.* lb.; Powder, 1d. lb. extra.
Podophyli Resina, P.B., 1 lb. @ 12/- lb.
Potassa Canstica Sticks, P.B., 28 lbs. @ 10*d.* lb 6 1-lb. Bots. @ 11*d.* lb.
Potas. Acetas. Gran. P.B., 28 lb. @ 1/- lb.; 7 lbs. @ 1/1 lb. [4d. lb.
„ Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @
Potas. Brom. P.B., 1 cwt. @ 11d. lb.; 28 lbs. @ 11½d. lb.; 7 lbs. @ 1/- lb. [5d. lb.
„ Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @
Potass. Cit., B.P., 7 lbs. @ 1/8 lb.
„ Cyanidum 98 %, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.
Potass. Iod. P.B., 1 owt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.
„ Metabisulph., 1 cwt. @ 42/6 cwt.; 7 lbs. @ 6d. lb.
„ Permang., Cryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
„ Prussias Flav., 7 lbs. @ 8d. lb.
Pulv. Caryoph.. 7 lbs. @ 10d. lb.
„ Cretæ Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio B.P., 7 lbs. @ 1/7 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 31/- cwt.
„ Ipecac. Comp. P.B., 1 lb. @ 3/- lb.
„ Jalap Comp. P.B., 1 lb. @ 1/6 lb.
„ Rhei Comp. P.B., 1 lb. @ 1/5 lb.
Quassia Chips, 1 cwt. @ 13/6 cwt.; 28 lbs. @ 2d. lb.
Quinine Bisulph, 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.
Quininæ Hydrobromas or Hydrochlor., B.P., 100 oz. @ 11½d. oz.; 25 oz. @ 1/0½ oz.; 10 oz. @ 1/2 oz.
Quininæ Sulph., P.B., 1,200 oz. @ 6⅝d. oz.; 100 oz. @ 6¾d. oz.; 25 oz. @ 7½d. oz.; 10 oz. @ 8d. oz.
Rad. Gent., English Ground, 1 cwt. @ 28/6 cwt.; 7 lbs. @ 4d. lb.
Rad. Glycyrrh., English ground, 1 cwt. @ 20/- cwt.; 7 lbs. @ 3d. lb.
Rad. Jalap., English ground, 28 lbs. @ 1/10 lb.; 7lbs. @ 2/- lb.
Rad. Rhei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
Rad. Rbei E. I., Trimmed, 7 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
Resorcin, B.P., 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.
Sabadilla Seeds, 28 lbs. @ 8d.; 7 lbs. @ 9d.; Powder, 3d. lb. extra.
Saccharine ·550 or ·500, 7 lbs. @ 34/6 lb.; 1 lb. @ 35/6 lb.; ·330, 7 lbs. @ 27/- lb.; 1 lb. @ 28/6 lb. For Export only, 1 cwt. lots @ 4/- lb. for ·550.
Sacchar. Ust., 1 cwt. @ 25/6 cwt.; 10 lbs @ 4d. lb.
Saffron, Valentia, B.P., 1 lb. @ 33/- lb.; 1 oz. @ 2/6 oz.
Sal. Acetos, 1 cwt. @ 6d. lb.; 56 lbs. @ 6½d. lb.; 7 lbs. @ 7d. lb.
Salicinum, B.P., 1 lb. @ 16/6 lb.
Salol, B.P., 1 lb. @ 2/6 lb.
Sang. Draconis pulv., English Ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/-½d. lb.
Santoninum, P.B., 7 lbs. @ lb.; 1 lb. @ lb.
Sapo Cast. Alb. pnlv., 1 cwt. @ 58/6 cwt.; 56 lbs. @ 62/- cwt.; 7 lbs. @ 7½d. lb.; Animal pulv., 1 cwt. @ 50/6 cwt. 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.

*Minimum quantity at these prices, Home Trade, 3 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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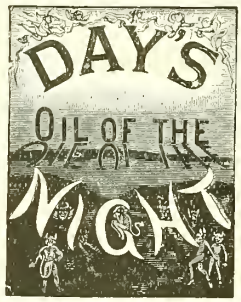

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Trade Prices ... 10/- and 25/- per dozen.

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ALL GRADES AND PACKAGES.

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Chemist's Co-operative Wholesale.

			s.	d.	
Acid. Carbolic Cryst. B.P. 5 cwts. 5¼ lb. 1 cwt.	lb.			5½	10 lbs. 7d.
500×1 lb. bots. 7½d. lb., 100×1 lb. bots.	,,			8	12 bots. 9d.
Adeps Benz. B.P. ... ... 28 lbs.	,,			7½	
Aloes Barb. ... ... 1 cwt.	cwt.		39	0	7 lbs. 6d.
,, ,, Pulv. ... ... 1 cwt.	,,		55	0	7 lbs. 8d.
,, Cape ... ... 1 cwt.	,,		37	0	7 lbs. 6d.
,, ,, Pulv. ... ... 1 cwt.	,,		55	0	7 lbs. 8d.
,, Socot. (*True Zanzibar*) ... 1 cwt.	,,		100	0	7 lbs. 1/-
,, ,, Pulv. ... ... 1 cwt.	,,		140	0	7 lbs. 1/4½
Ammon. Bromide B.P. ... ... 28 lbs.			1	0	7 lbs. 1/0½
Aqua.					
Anethi, Conc. 1-40 ... ... 5 lbs.	lb.		1	10	1 lb. 2/1
Anisi ,, ,, ... 5 lbs.	,,		1	10	1 ,, 2/1
Aurant. ,, ,, ... 5 lbs.	,,		4	9	1 ,, 5/-
,, Trip. ... 53 lbs. for 17/6 5 lbs.	,,			6	
Camph. Conc. 1-40 ... 5 lbs.	,,		1	10	1 ,, 2/1
Carui ,, ,, ... 5 lbs.	,,		1	10	1 ,, 2/1
Cinnamomi ,, ,, ... 5 lbs.	,,		2	3	1 ,, 2/6
Laurocerasi B.P. ... ... 5 lbs.	,,			6	
Menthæ Pip. Conc. 1-40 ... 5 lbs.	,,		1	10	1 ,, 2/1
Rosæ Conc. 1-40 ... ... 5 lbs.	,,		5	3	1 ,, 5/6
,, Trip. ... 53 lbs for 18/6 5 lbs.	,,			6	
Sambuci Trip. 53 lbs. for 21/- 5 lbs.	,,			7	
Balsam Copaibæ B.P. 80 lbs. 2/0½ lb. 40 lbs.	,,		2	1	9 lbs. 2/3
Bismuth Carb. B.P. 14 lbs. 7/4½ 3 lbs.	lb.		7	6	1 ,, 7/8
,, Subnit. B.P. 14 lbs. 6/4½ 3 lbs.	,,		6	6	1 ,, 6/8
Caffeina B.P. ... ... 5 lbs.	,,		13	7	1 ,, 13/9
Caffeinæ Citras B.P. ... ... 5 lbs.	,,		9	4	1 ,, 9/6
Camphor, English.					
Bell ... ... 28 lbs.	,,		2	1	7 lbs. 2/2
Flowers ... ... 30 lbs.	,,		2	0	5 ,, 2/1
Tabs. ½, ⅓, and ¼ oz. ... ... 28 lbs.	,,		2	0	7 ,, 2/1
Cera Alb. Genuine, Moons 1 cwt. £8 5s. 28 lbs.	,,		1	6½	4 ,, 1/7½
,, Flav. Genuine Refined 1 cwt. £7 8s. 6d. 28 lbs.	,,		1	4½	4 ,, 1/5½
Chloroform B.P., 12 8-lb. bots. 1/6½ lb. 8 lbs.	,,		1	7½	3 1-lb. bots 1/10½
Cocainæ Hydrochlor, B.P. ... 25 ozs.	oz.		7	6	4 ozs. 7/8; 1 oz. 7/10
Dec. Sarsæ Jam. Co. Conc. 1-7 6 lbs.	lb.		1	10	
Ext. Cascaræ Sagradæ Liq. B.P. 6 lbs.	,,		1	0	
,, Glycyrrh. Liq. B.P. ... 6 lbs.	,,			11	
Ferri et Quinin. Cit. B.P. ... 100 ozs.	oz.			3	25 ozs. 3¾d.
Glycerine B.P., D.D. 1·260 ... 1 cwt.	cwt.		70	0	56 lbs. 71/-
Infusum (Conc. 1-7)					
Anthemidis ... ... 6 lbs.	lb.		1	2	
Aurantii Co. ... ... 6 lbs.	,,			11	
Buchu ... ... 6 lbs.	,,		1	0	
Calumbæ ... ... 6 lbs.	,,			9	
Caryoph. ... ... 6 lbs.	,,			9	3 lbs.
Cascarillæ ... ... 6 lbs.	,,			11	1d. lb.
Catechu ... ... 6 lbs.	,,			10	extra.
Chiratæ ... ... 6 lbs.	,,			11	
Cinchonæ Acid. ... ... 6 lbs.	,,		1	2	2 lbs.
,, Flav. ... ... 6 lbs.	,,		1	2	2d. lb.
Digitalis ... ... 6 lbs.	,,			10	extra.
Gentian. Co. ... ... 6 lbs.	,,			9	
Quassiæ ... ... 6 lbs.	,,			7½	1 lb.
Rhei ... ... 6 lbs.	,,			11	3d. lb.
Rosæ Acid. ... ... 6 lbs.	,,		1	6	extra.
Scoparii ... ... 6 lbs.	,,			11	
Senegæ ... ... 6 lbs.	,,		1	6	
Sennæ ... ... 6 lbs.	,,			10	
Serpentariæ ... ... 6 lbs.	,,		1	8	
Uvæ Ursi ... ... 6 lbs.	,,		1	0	
Oleum					
Amygd. Dulc. Ang. B.P. 30 lbs.	,,		1	8	9 lbs. 1/9
Caryoph. Ang. B.P. ... 5 lbs.	,,		3	1	1 lb. 3/4
Cocois Nuciferæ ... ... 28 lbs.	,,			5½	
Origanum Rub. Coml. ... 9 lbs.	,,		1	5	
Peach Kernel 1 cwt. @ 9d. lb. 56 lbs.	,,			9½	9 lbs. 11½d.
Potass. Bromid. B.P. 1 cwt. @ 10½d. lb. 28 lbs.	,,			11	7 lbs. 1/-
,, **Iodid.** B.P. 1 cwt. @ 7/6 lb. 14 lbs.	,,		7	8	3 lbs. 7/11

			s.	d.	
Quininæ.					
Hydrobromas. 100 ozs. 11½d. 25 ozs.	oz.		1	0	10 ozs. 1/0½
Hydrochloras B.P. 100 ozs. 11½d. 25 ozs.	,,		1	0	10 ,, 1/0½
Salicylas. 100 ozs. 11½d. 25 ozs.	,,		1	0	10 ,, 1/0½
Sulphas B.P. ... 100 ozs. 6¾d. 25 ozs.	,,			7¼	10 ,, 8d.
Santoninum B.P.... ... ... 1 lb.	lb.		14	0	
Sodii Bromid. B.P. ... ... 28 lbs.	,,		1	0½	7 lbs. 1/1½
Syrup. Ferri Phosph. Co. 1 cwt. 26/- 28 lbs.	,,			3½	7 ,, 4d.
,, ,, c. Quinin. et Strych. ... ... 7 lbs.	,,			9	
Hypophosph. Co. B.P.C.... 7 lbs.	,,			7	
Pruni Virg. B.P. ... ... 7 lbs.	,,			7	
Rhamni ... ... 7 lbs.	,,			9	
Rhœados B.P. ... ... 7 lbs.	,,			5½	
Rhei B.P. ... ... 7 lbs.	,,			6½	
Scillæ B.P. ... 28 lbs. 3¾d. 7 lbs.	,,			4	
Sennæ B.P. ... ... 7 lbs.	,,			7	
Tolut. B.P. ... ... 7 lbs.	,,			5	
Tinct. Aconiti B.P. ... ... 5 lbs.	lb.		2	6	
Aloes B.P. ... ... 5 lbs.	,,		1	9	
Arnicæ B.P. ... ... 5 lbs.	,,		2	0	
Aurant. Recens. B.P. ... 5 lbs.	,,		2	4	
Belladonnæ B.P. ... . 5 lbs.	,,		2	2	
Benzoin. Co. B.P. ... ... 5 lbs.	,,		2	6	
Buchu B.P. ... ... 5 lbs.	,,		2	3	
Calumbæ B.P.... ... ... 5 lbs.	,,		1	11	
Camph. Co. B.P. ... ... 5 lbs.	,,		1	9	
Canthar. B.P. ... ... 5 lbs.	,,		2	10	
Capsici B.P. ... ... 5 lbs.	,,		2	4	
Cardam. Co. B.P. ... ... 5 lbs.	,,		1	10	
Cascarillæ ... ... 5 lbs.	,,		2	1	
Catechu B.P. ... ... 5 lbs.	,,		1	9	
Chlorof. c. Morph. Co. B.P. 5 lbs.	,,		2	11	
Chlorof. c. Morph. B.P. '85 5 lbs.	,,		1	5	
Cinchonæ B.P. ... ... 5 lbs.	,,		2	4	
,, Co. B.P. ... ... 5 lbs.	,,		2	6	
Digitalis B.P. ... ... 5 lbs.	,,		1	11	
Gelsemii, B.P. ... ... 5 lbs.	,,		2	1	
Gentian. Co. B.P. ... ... 5 lbs.	,,		1	6	
Guaiaci ... ... 5 lbs.	,,		2	6	
,, Ammon. B.P. ... 5 lbs.	,,		2	5	
Hyoscyami B.P. ... ... 5 lbs.	,,		2	3	
Iodi B.P. ... ... 5 lbs.	,,		2	10	
Lavand. Co. B.P. ... ... 5 lbs.	,,		2	8	
Myrrh B.P. ... ... 5 lbs.	,,		2	10	
Nucis Vom. B.P. ... ... 5 lbs.	,,		1	9	
Opii B.P. ... ... 5 lbs.	,,		2	5	
,, Aquosi (B.P. strength) 5 lbs.	,,		1	9	
Podophylli B.P. ... ... 5 lbs.	,,		3	4	
Quininæ, B.P. ... ... 5 lbs.	,,		2	7	
,, Ammon. B.P. ... 5 lbs.	,,		1	10	
Rhei Co. B.P. ... ... 5 lbs.	,,		1	9	
Scillæ, B.P. ... ... 5 lbs.	,,		1	11	
Senegæ, B.P. ... ... 5 lbs.	,,		2	6	
Sennæ, B.P. ... ... 5 lbs.	,,		1	8	
Stramonii, B.P. ... ... 5 lbs.	,,		1	10	
Strophanth. B.P. ... ... 5 lbs.	,,		2	8	
Tolut. ... ... 5 lbs.	,,		2	8	
Valerian ... ... 5 lbs.	,,		2	1	
,, Ammon. B.P. ... 5 lbs.	,,		2	4	
Zingiberis B.P. ... ... 5 lbs.	,,		2	9	
,, Fort B.P. '85 ... 5 lbs.	,,		3	1	
Ung.					
Acid Boric. B.P. ... ... 28 lbs.	,,			6	
,, ,, Flav. B.P. ... 28 lbs.	,,			4	
,, Carbolic, B.P. ... ... 14 lbs.	,,			7	7 lbs. 7½d.
Cetacei, B.P. ... ... 28 lbs.	,,		1	4	7 ,, 1/5
Gallæ, B.P. ... . 7 lbs.	,,			10	
,, c. Opio. B.P. ... ... 7 lbs.	,,		2	0	
Hydrarg. B.P.... ... ... 28 lbs.	,,		1	7	7 ,, 1/8
,, Ammon. B.P. ... 28 lbs.	,,			10	7 ,, 11d.
,, Nitrat. B.P. ... 7 lbs.	,,		1	7	
Resinæ B.P. ... ... 28 lbs.	,,			9½	7 ,, 10½d.
Sulphuris B.P.... ... ... 28 lbs.	,,			7½	7 ,, 8½d.
Zinci B.P. ... ... 28 lbs.	,,			7½	7 ,, 8½d.
Vinum Ipecac. B.P. ... ... 5 lbs.	,,		1	4	

Tinct. Aconiti B.P. to Tinct. Vinum Ipecac. B.P.: 1 lb. 3d. lb. extra. 2 lbs. 2d. lb. extra. 3 lbs. 1d. lb. extra.

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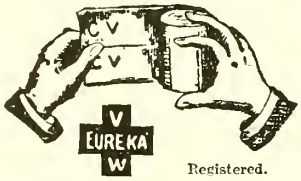

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SOLE IMPORTER for Gt. Britain and Colonies.

Wholesale from all Sundries Houses.

THE BANDAGE OF THE FUTURE
in cases of Varicose Veins, Sprains or Abdominal Binding, &c.
NO OTHER will be worn or asked for.

Prices per doz. Bandages. Widths:	2	2½	3½	8	11 ins.
Best Quality	12/-	15/-	18/-	36/-	54/-
2nd ,, ...	9/-	12/-	15/-		

Send for Price List of Trusses, Belts, Hot Water Bottles, Elastic Stockings, Sponge Bags, Bathing Caps, &c.
4 ALBION PLACE, Blackfriars Bridge, LONDON, S.E.

Customers can have their own names on Wrappers and Circulars.

DISPENSING BOTTLES & PHIALS.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.
Beg to call attention to their REDUCED PRICES FOR THE NEW YEAR. Early orders solicited.

FIRST QUALITY.
3 & 4 6 & 8 12 16 ounce.
9/- 10/- 15/- 20/- per gross } Round edges, plain or graduated, quinine tinted.

SECOND QUALITY.
3 & 4 6 & 8 12 16 ounce.
7/6 8/6 12/- 18/- per gross } Round edges, plain or graduated, clear blue tinted.

PANEL BOTTLES (reduced prices).
2 3 4 6 8 ounce
7/6 8/- 8/- 9/- 10/- per gross.

WHITE PHIALS—GOOD QUALITY.
½ 1 1½ 2 ounce
3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 50 years. Bankers: London and Westminster Bank.

BOXES
ESTABLISHED 1839 ESTABLISHED

ROUND, OVAL, SQUARE, or FOLDING, for the
DRUG, DRYSALTERY, AND CONFECTIONERY TRADES.
LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL AND OTHER BOXES FREE OF CHARGE.

BOXES AND CASES FOR
Baking Powder, Black Lead Bottles, Camphor Ball, Capsules, Castor Oil, Cough Lozenges, Dispensing Powder, Eye Ointment, Fancy Boxes, Fullers' Earth, Folding Boxes, Glass Top Outers, Homœopathic Bottles, Insect Powders, Ink Cases, Jewellery, Lozenge, Lip Salve, Magnesia, Metal Paste, Marking Ink, Nipple Shields, Night Lights, Parcel Post, Pastilles, Pills, Potash Tablets, Plasters, Salt Lemon, Seidlitz Powder, Starch Gloss, Soaps, Soda Powder, Syringes, Tapers, Tooth Powder, Violet Powder, &c.

ROBINSON & SONS, LIM., WHEATBRIDGE MILLS, AND HOLMBROOK WORKS, **CHESTERFIELD,**
And 55 FANN STREET, ALDERSGATE STREET, LONDON.

HOT-WATER BOTTLES

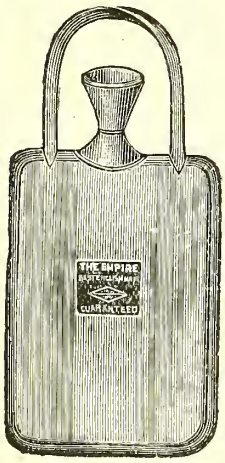


Fig. 955.
TOP HANDLE.

GUARANTEED FOR 2 YEARS.

Both "heavy" and "light" bottles are made from **best quality** rubber.

Reduction in Prices.

Sizes.	Heavy. s. d.	Light. s. d.	Plush Covers. s. d.
6× 8 inch	2 3 each	2 5 each	0 8 each
6×10 ,,	3 0 ,,	2 8 ,,	0 8 ,,
6×12 ,,	3 5 ,,	3 1 ,,	0 10 ,,
8×10 ,,	3 8 ,,	3 2 ,,	0 10 ,,
8×12 ,,	4 2 ,,	3 7 ,,	0 11 ,,
8×14 ,,	4 9 ,,	4 2 ,,	0 11 ,,
10×12 ,,	4 9 ,,	4 2 ,,	0 11 ,,
10×14 ,,	5 4 ,,	4 10 ,,	1 0 ,,
12×14 ,,	6 2 ,,	5 7 ,,	1 2 ,,

EACH ONE IN A NEAT PAPER BAG WITH DIRECTIONS FOR USING.

A special Discount of 5% for cash with order.

For orders of two dozen bottles assorted we will put tablet with customer's name on free of charge.

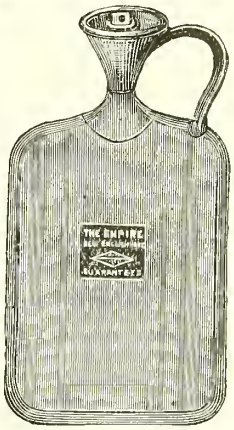


Fig. 957.
SIDE HANDLE

Carriage paid on Orders of £2 and upwards to any Town in the United Kingdom.

BURGE, WARREN & RIDGLEY, Ltd.,

91 and 92 Great Saffron Hill, London, E.C.

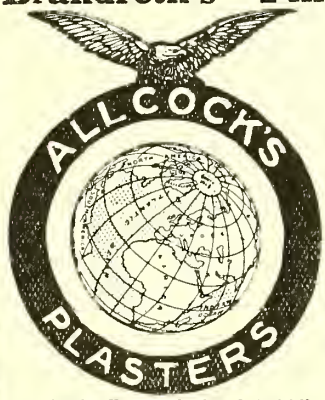
The Original and only Genuine

Allcock's

POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} ***The Three Reliables.***

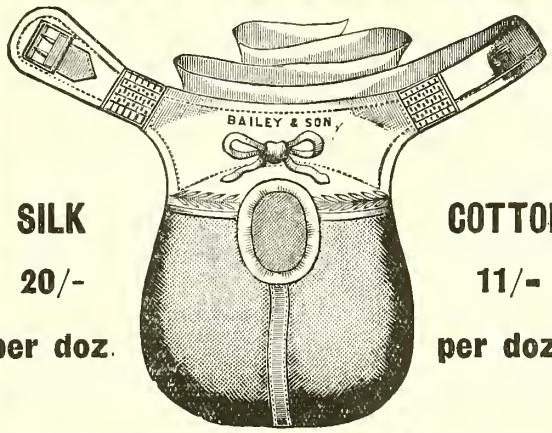


A HANDSOME SHOWCARD will be sent free of cost and post paid on application.

ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

BAILEY'S "A.B.C." SUSPENSORIES.



SILK 20/- per doz.

COTTON 11/- per doz.

Assorted—A, small; B, medium; C, large bags.

W. H. BAILEY & SON,

38 OXFORD STREET, LONDON. W. [3]

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For Terms apply to the Publisher.

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Postal—East Smithfield, Tower Bridge. Established 1835.
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Books on Disease, Show Cards, and Pedigree Forms sent free.
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WHY? Because it is mixed perfectly by a new process, sells well, NEVER FERMENTS, shows a 100% margin, and is well got up.
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EXTRA LIGHT AND ALL GRADES TO SUIT EVERY PURPOSE.
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Indelible Marking Ink	" 3d.	1/7	"
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Liebig's Analysis: Soda Sulph., Soda Chlorid., Soda Phosph. Magnes. Sulph., Magnes. Chlorid., Potas. Sulph., Potas. Chlorid.
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FOR ALL KINDS OF
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Per **5/9** dozen,
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